

**King and Tanner Crabs in Northern
British Columbia Mainland Inlets,
May 4 - June 18, 1982**

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KING AND TANNER CRABS IN NORTHERN BRITISH COLUMBIA
MAINLAND INLETS, MAY 4 - JUNE 18, 1982

by

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ABSTRACT

Jamieson, G. S., C. K. Robinson, and T. H. Butler. 1986. King and tanner crabs in northern British Columbia mainland inlets, May 4 - June 18, 1982. Can. MS Rep. Fish. Aquat. Sci. 1880 : 127 p.

An exploratory survey of king crab populations in northern British Columbia mainland inlets indicated that while concentrations of king crabs exist, they were too limited in size and few in number to support a substantial fishery. Red king crab (Paralithodes camtschatica) and tanner crab (Chionoecetes bairdi) were found throughout the survey area, whereas golden king crab (Lithodes aesquipina) were found only in Alice Arm at the head of Observatory Inlet.

Few male red king crab caught exceeded the minimum legal size presently in effect in southeastern Alaska (178 mm carapace width) and if a similar regulation existed in British Columbia, fishery prospects would be limited.

RESUME

Jamieson, G. S., C. K. Robinson, and T. H. Butler. 1986. King and tanner crabs in northern British Columbia mainland inlets, May 4 - June 18, 1982. Can. MS Rep. Fish. Aquat. Sci. 1880 : 127 p.

Un relevé exploratoire des populations de crabe royal des inlets du nord de la Colombie-Britannique continentale a permis de trouver des concentrations de crabes, mais celles-ci sont trop peu importantes et trop rares pour autoriser une pêche commerciale appréciable. Les espèces Paralithodes camtschatica et Chionoecetes bairdi étaient présentes dans toute la zone étudiée tandis que l'espèce Lithodes aesquipina ne se recontrait que dans le bras Alice et l'inlet Observatory.

Des crabes mâles capturés, peu dépassaient la taille légale minimale actuellement imposée dans le sud-est de l'Alaska (largeur de carapace de 178 mm). Les possibilités de pêche seraient donc limitées si un règlement de même type était appliqué en Colombie-Britannique.

INTRODUCTION

Two species of commercial king crab, Paralithodes camtschatica (red) and Lithodes aesquipina (golden), and one species of commercial tanner crab, Chionoecetes bairdi, occur in British Columbia (Butler and Hart 1962; Hart 1982). Red and golden king crabs are at the southern limit of their distributions in the eastern Pacific. Commercial fisheries for red and golden king crab occur in Alaska from the Bering Sea to southeastern Alaska but in British Columbia, exploitation has been sporadic, with only a few tonnes being landed annually. Golden king crab, which prefer deeper water than red king crab, have been exploited in Alice and Hastings Arms in Observatory Inlet, whereas red king crab have been fished in a small, directed, seasonal trap fishery in various areas in the north of the province.

In the eastern Pacific, C. bairdi occurs from the Bering Sea to Puget Sound (Slipp 1952), and from shallow water to 473 m (Rathburn 1925). In mainland inlets it has been caught as a bycatch in the limited king crab fishery, and more recently, in the prawn (Pandalus platyceros) fishery.

As a result of declining catches in 1981 in the small directed fishery for golden king crab in Alice Arm, a survey was undertaken in 1982 to document the general distribution of king crabs in northern British Columbia mainland inlets from Portland Canal south to the Estevan Group (Fig. 1). This report presents the results of this survey.

METHODS

The 20 m M/V BOLD PURSUIT, skippered by P. Wallin, was chartered from May 4 - June 18, 1982. Traps were set individually, with traps within 3.7 km (2 nautical miles) of each other and at similar depths grouped into sets (239 in total) for data analysis. Alaskan side-entry king crab pots measuring 1.8 x 1.8 x 0.9 m covered with 10 cm stretch mesh netting were used. Each pot had two tunnels of 7.5 cm stretch mesh netting, each with 88 x 19 cm openings, and each pot was baited with two, 2-L perforated jars. Bait was a combination of herring, spring salmon heads and frames, and skate carcasses.

Sets were made on mud bottom in both shallow and deep water and when significant catches were obtained, additional traps were set to allow better characterization of the discovered population. Soak time ranged from 15.5 to 176.5 h, with a mean and standard deviation of 74 and 40.25 h respectively. Sets were shortest in locations where catches were low.

A total of 239 sets were made at depths ranging from 9-521 m, with 44 sets at a depth > 137 m (75 fath). Exploratory shallow and deep water sets were made for red and golden king crabs respectively, since depth preference between the two species differs (Sloan 1985a).

Carapace length (CL) to the nearest millimeter, sex, the presence of eggs, and shell conditions were recorded for all crabs [king, tanner (*C. bairdi*) and Dungeness (*Cancer magister*)] caught except those from seven sets in Pearse Canal, where a random subsample (1214 of 1689 kg) of undersized male red king crab was taken. Crabs were sorted by sex and arbitrarily, males with a carapace width (CW) > 165 mm were considered "keepers". In the absence of regulation, this minimum size limit was voluntarily established and used by some fishermen. All crabs were weighed to the nearest 0.2 kg on a platform scale. Keeper tanner crab were those whose estimated weight was > 0.7 kg. Shell condition consisted of three categories: with epizoans (old moult), hard and clean (recent moult), and soft shell (newly moulted).

Crabs about to moult, i.e. with a soft feel to their legs, and crabs with recently severed appendages were not included in the weight of keeper crabs recorded per pot haul. By-catch was sorted by species and total weight recorded. Site potential was evaluated by the quantity of keepers fished, with keeper yield > 7 kg trap⁻¹ considered to indicate a positive fishery potential. Trap yield, considered a measure of economic return, represented the weight of keeper king crab added to half the weight of keeper tanner crab caught, since at the time of the survey the price paid for tanner crab was about half that paid for king crabs.

RESULTS AND DISCUSSION

SPECIES DISTRIBUTION AND CATCH RATES

Of the 239 sets made (Appendix 1; Figs. 3-38), 86 yielded red king crab (8121 kg in total). *P. camtschatica* was caught at depths ranging from 9-157 m, with the highest average catch per trap from a set of 8 traps in Wales Harbour (set 1). Twenty-eight sets (Table 1), located in four general areas (Fig. 2: Alice Arm, Wales Harbour, Steamer Passage and Klewnuggit Inlet), had an average catch > 7 kg trap⁻¹, indicating some potential for commercial exploitation. Wales Harbour includes sets from Wales Harbour, Wales Passage, Pearse Canal and Winter Inlet, while the general description "Steamer Passage" included sets from Khutzeymateen Inlet as well as Steamer Passage itself. Of these 28 sets, red king crab were caught in 26 sets and golden king crab in 2 sets, both of which were in Alice Arm.

The greatest average catch per trap of red king crab was 98 kg in Wales Harbour (set 1), which was also the location of the largest single catch for a trap (205 kg). For golden king crab, the best average catch per trap was 17 kg in Alice Arm (set 22), and the largest catch for a trap was 31 kg in set 24. Subsequent studies (Sloan 1984) have shown that golden king crab also occur in Hastings Arm, but this species has not been reported outside Observatory Inlet in mainland inlets. Golden king crab were caught at depths of 97-521 m. The species has been reported in deep water off Queen Charlotte Sound and the west coast of Vancouver Island (Hart 1982).

Tanner crab were fished primarily in sets located north of Prince Rupert at depths ranging from 15-521 m. Highest average catch per trap was 19 kg (set 38) in Wales Passage, and the best catch of a single trap was 56 kg in the same set.

In the most productive area for red king crab, Wales Harbour and Pearse Canal, continuous fishing with 3-5 day soaks was conducted during May. The "keeper" catch was retained during this fishing period, with 1119 kg of red king crab ultimately taken. During this time period, average catch per trap, weighted to a 96 hr soak, decreased from 20.3 to 9.1 kg (Table 2). Considerable variation in trap performance occurred between traps in the same set, so it is difficult to account completely for this performance decline. However, a significant decline in available "keeper" biomass probably occurred, suggesting that many, if not most, of the crab concentrations observed are relatively small, isolated populations that are largely discrete from each other. The survey design used in this study was exploratory in nature and is not felt suitable for accurate estimation of crab abundance at any specific location.

Crab Population Characteristics

Red king crab. Male red king crab caught ranged in CL from 70 to 177 mm. Mean size at both Wales Harbour and Klewnuggit Inlet was about 125 mm, and about 138 mm at Steamer Passage. Using the regressions, $CW = -2.5748 + 1.2312 CL$, derived from Yakutat red king crab in 1970 by D. Buchanan (W. Colgate, pers. comm.), this represents average CWs of 151 and 167 mm respectively. The legal size of red king crab in Alaska in Statistical Area A (Southeastern - Yakutat) is 178 mm CW (= 147 mm CL) and with this minimum size limit, 8, 27 and 1% of male red king crab caught at Wales Harbour, Steamer Passage and Klewnuggit Inlet, respectively, were exploitable. With the arbitrary minimum size limit of 165 mm CW (= 136 mm CL) used by some fishermen in the absence of regulation, 20, 53 and 7% respectively of male red king crab would have been exploitable. Twenty-two percent of red king crab caught were female, and at the time of the survey, 96% of these had recently moulted and were ovigerous with recently extruded eggs. Average size ($\pm$ SD) of ovigerous and non-ovigerous females caught was 105.7 ± 8.2 and 94.4 ± 13.1 mm CL, respectively. Sixty and seventy-two percent, respectively, of male and female crab caught were fished at a depth <50 m, with no significant difference in range of size or average size observed with depth. Thirty-four percent of males had recently moulted and the remainder had hard shells and epizoans; there was no significant difference in mean crab size between the two groups.

The number of golden king crab fished (202) in Portland Inlet was too few to give an accurate description of relative population proportion by size class. However, 43% of golden king crab caught were female, and 41% of these were ovigerous. Males ranged in size from 87-178 mm CL ($\bar{x} = 143 \pm 18.6$ mm SD) while females ranged from 91-158 mm CL ($\bar{x} = 132 \pm 16.0$ mm SD).

Rhizocephalan parasites (*Briarosaccus callosus*) were observed but neither the percentage nor characteristics of infestation were recorded. Leeches, *Notostomum cyclostoma*, and their cocoons were found on tanner crab and both species of king crab in Observatory Inlet, and on crabs caught in Klewnuggit Inlet (see Sloan et al. 1984).

Of the 1072 tanner crab fished, 99% were males, with an average CL of 102 mm $\pm$ mm SD. This corresponds to a CW of 131 mm, using the regression $CW = 3.35 + 1.2476 CL$, determined from 127 male tanner crab fished in 1984 from mainland inlets near Cape Caution, British Columbia (G. Jamieson, unpubl. data). Eight of the 11 females caught, ranging in size from 69-81 mm CL, were ovigerous. Since king crab traps were used, selectivity of the gear for tanner crabs was probably low, and so observations for this species may be biased.

Finally, a total of 142 kg of Dungeness crab was caught, with individuals ranging in CW, spine to spine, from 83-236 mm [converted from CL using the equation $CW = (CL - 6.53) / 0.6066$ (T. Butler, unpubl. data)].

DISCUSSION

King crab resources in mainland inlets were limited, with little potential for a significant fishery. Small concentrations of king crabs exist and these can be periodically exploited, but it seems unlikely that an on-going fishery can exist for more than a few vessels. Red king crab have a 98-112 day pelagic larval period (Weber 1967) and except for the head of Observatory Inlet, progeny hatched at a specific location would seem unlikely to be retained there. Recruitment probably results from sporadic settlement of larvae which hatched in other locations and which simply happen to be drifting by. King crab populations are widely distributed geographically and may exist in the Queen Charlotte Islands or on the north coast of British Columbia outside the range of the survey described in this report. No further exploratory work is anticipated in the near future because of the low stock abundance observed to date. Since this survey was conducted, golden king populations in Observatory Inlet have been extensively studied, with particular emphasis on the impact of *Briarosaurus* (Bower and Sloan 1985; Jewett et al 1985; Sloan 1984a, 1984b, 1985a, 1985b). A general review of king crabs in British Columbia (Jamieson and Sloan 1985) has been published.

The relative absence of large red king crab, i.e. with a CW > 178 mm, may be the result of previous commercial fishing, or because British Columbia is at the periphery of this species' range.

The potential for a tanner crab fishery was recently investigated with traps designed specifically for this species, and as with king crabs, results show little fishery potential (Jamieson, unpubl. data). Tanner crab catches in this study are difficult to interpret because of the nature of the gear used.

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Table 1. Set locations of potential fishery interest with sets ranked in order of decreasing value assuming that price of tanner crab is half that of king crabs.

Set No.	Location	No. of traps	Soak time (hr)	Average Catch (kg) per trap		
				Red king	Golden king	Tanner
1	Wales Harbour	8	103	30.0	0.0	2.6
3	Pearse Canal	4	116	23.3	0.0	9.1
119	Klewnuggit Inlet	1	52	22.7	0.0	0.0
39	Pearse Canal	2	95	17.5	0.0	6.1
43	Pearse Canal	2	100	17.0	0.0	7.2
7	Wales Harbour	8	111	18.0	0.0	4.6
59	Pearse Canal	1	72	18.2	0.0	0.0
2	Pearse Canal	5	116	17.6	0.0	0.2
70	Khutzeymateen Inlet	3	69	17.1	0.0	0.3
46	Pearse Canal	5	79	16.5	0.0	1.0
85	Steamer Passage	3	143	16.2	0.0	0.3
51	Steamer Passage	5	71	16.4	0.0	0.0
45	Wales Harbour	7	74	13.0	0.0	4.9
117	Klewnuggit Inlet	2	57	14.5	0.0	0.0
67	Khutzeymateen Inlet	5	69	13.5	0.0	0.1
58	Pearse Canal	5	73	12.9	0.0	0.8
142	Klewnuggit Inlet	1	105	12.5	0.0	0.0
78	Pearse Canal	5	67	11.0	0.0	0.9
66	Steamer Passage	2	72	9.7	0.0	0.0
19	Alice Arm	1	164	2.0	0.0	15.0
38	Wales Passage	5	42	2.7	0.0	13.5
88	Khutzeymateen Inlet	1	141	8.4	0.0	0.0
140	Klewnuggit Inlet	2	103	8.1	0.0	0.0
24	Alice Arm	6	171	0.6	7.2	0.6
65	Steamer Passage	5	73	8.0	0.0	0.0
23	Alice Arm	5	168	0.0	6.2	3.3
82	Steamer Passage	6	144	7.7	0.0	0.1
4	Winter Inlet	2	119	7.5	0.0	0.0

Table 2. Catch per unit effort (CPUE) for "keeper" red king crab in Wales Harbour/Pearse Canal (Fig. 3) in May, 1982, weighted for a 96 hr soak.

Date	Sets	No. traps	Depth range (m)	Mean soak ± SD (hr)	Mean catch ± SD (kg trap ⁻¹)
6-11/5	1,2,3	17	24-60	111.7 ± 7.5	20.3 ± 19.1
10-15/5	8,9,39	17	24-60	93.3 ± 15.6	11.7 ± 13.9
14-18/5	43,46	18	15-72	81.3 ± 12.8	15.3 ± 13.4
18-21/5	58,59	17	15-69	72.1 ± 0.2	13.0 ± 10.4
21-24/5	78,80	17	16-68	67.3 ± 1.4	9.1 ± 10.1

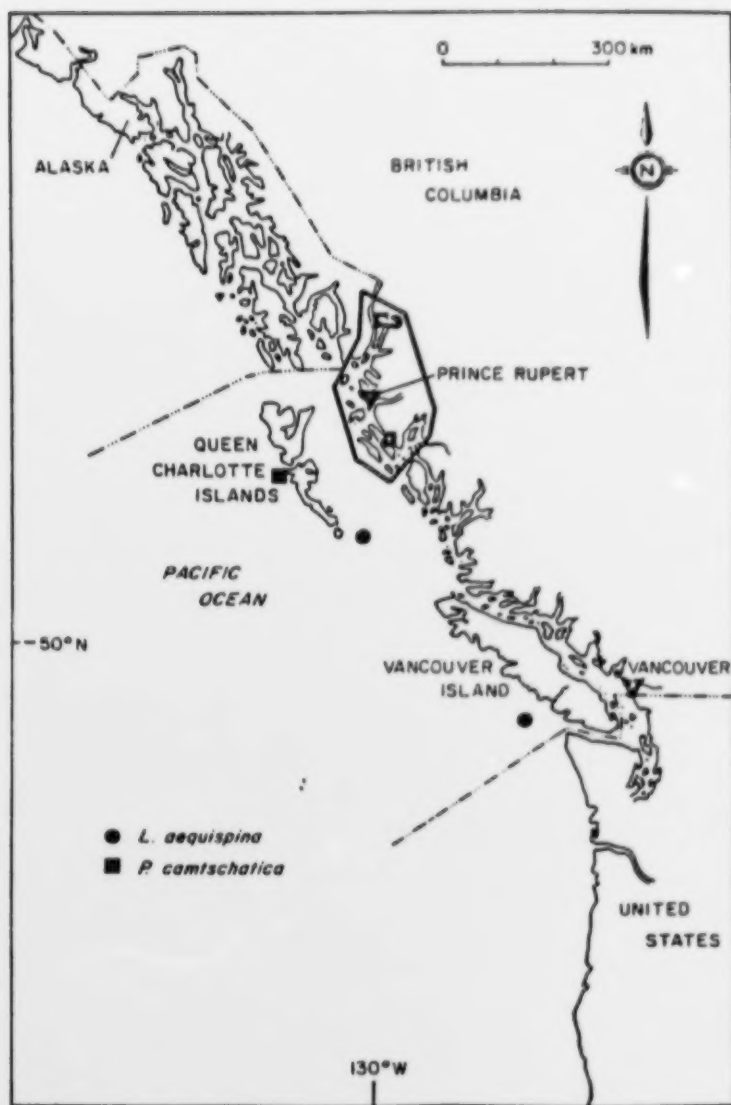


Fig. 1. The survey area (heavy line) in British Columbia, and the regional capture locations of red and golden king crabs in Canadian waters.

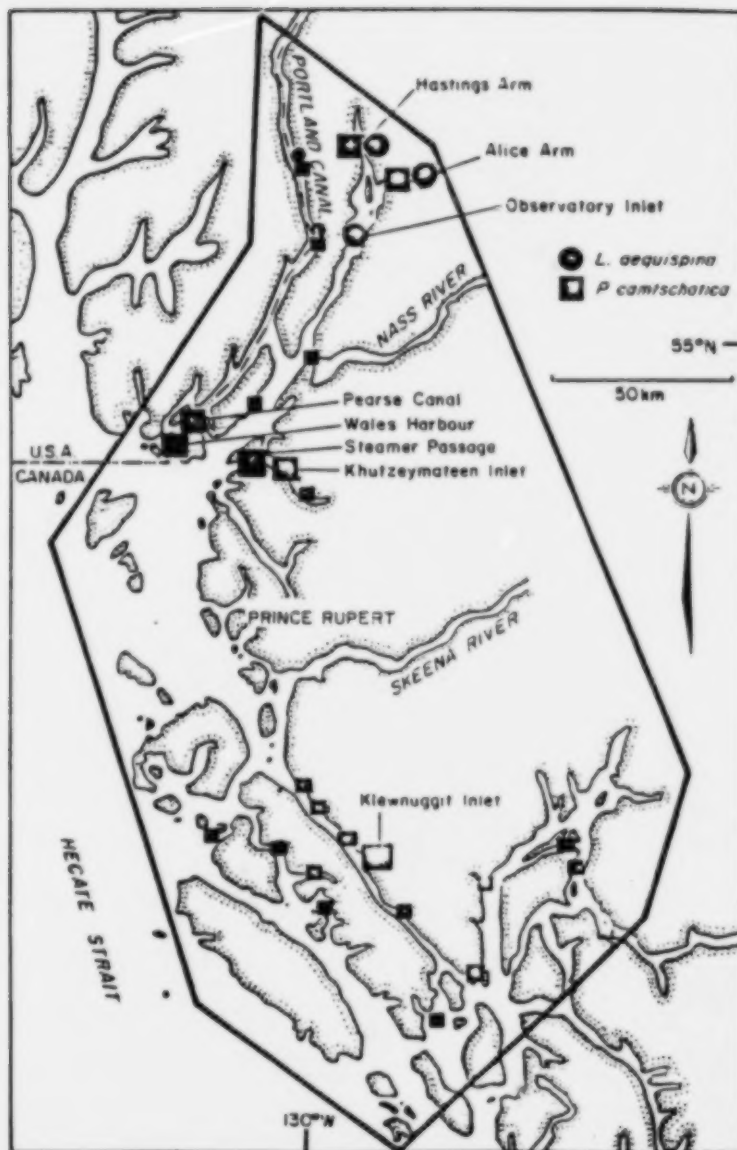


Fig. 2. Capture locations of red and golden king crabs in the survey area in northern British Columbia. Large and small markings refer to locations of potential fishery interest, and where species were caught but not in abundance, respectively.

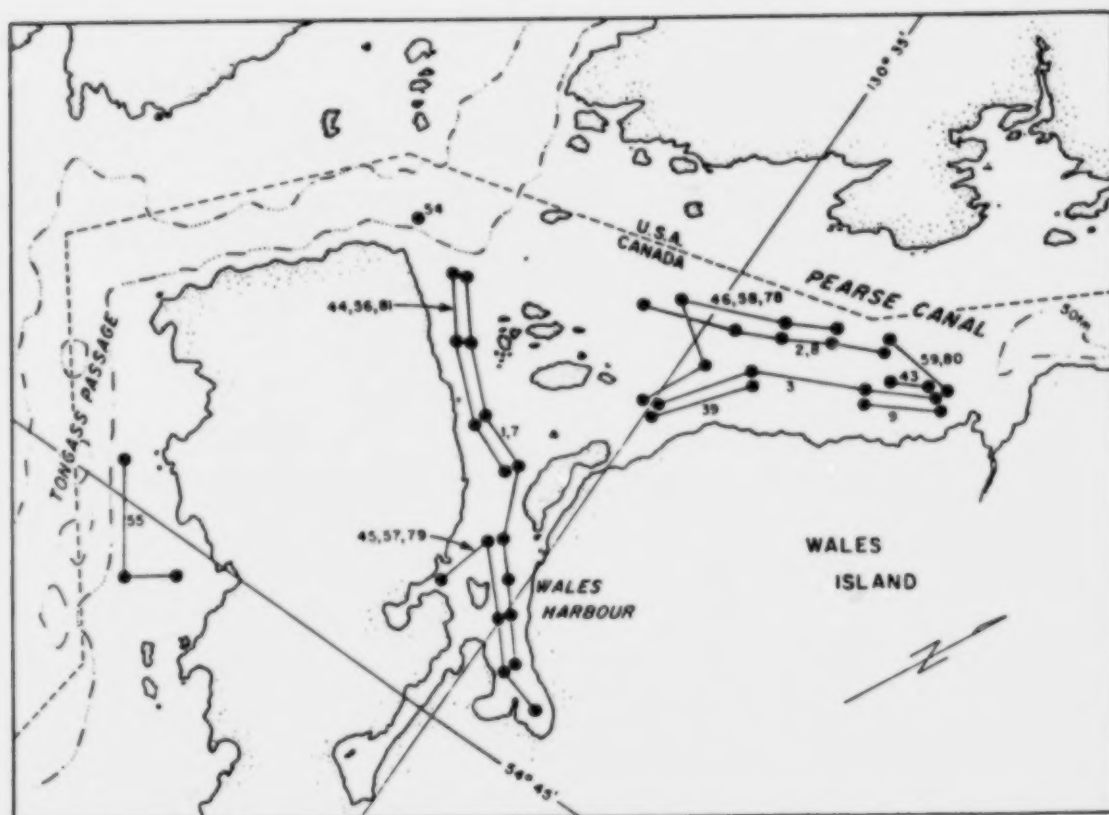


Fig. 3. Trap locations in Wales Harbour, Pearse Canal, and Tongass Passage. Chart 3992.

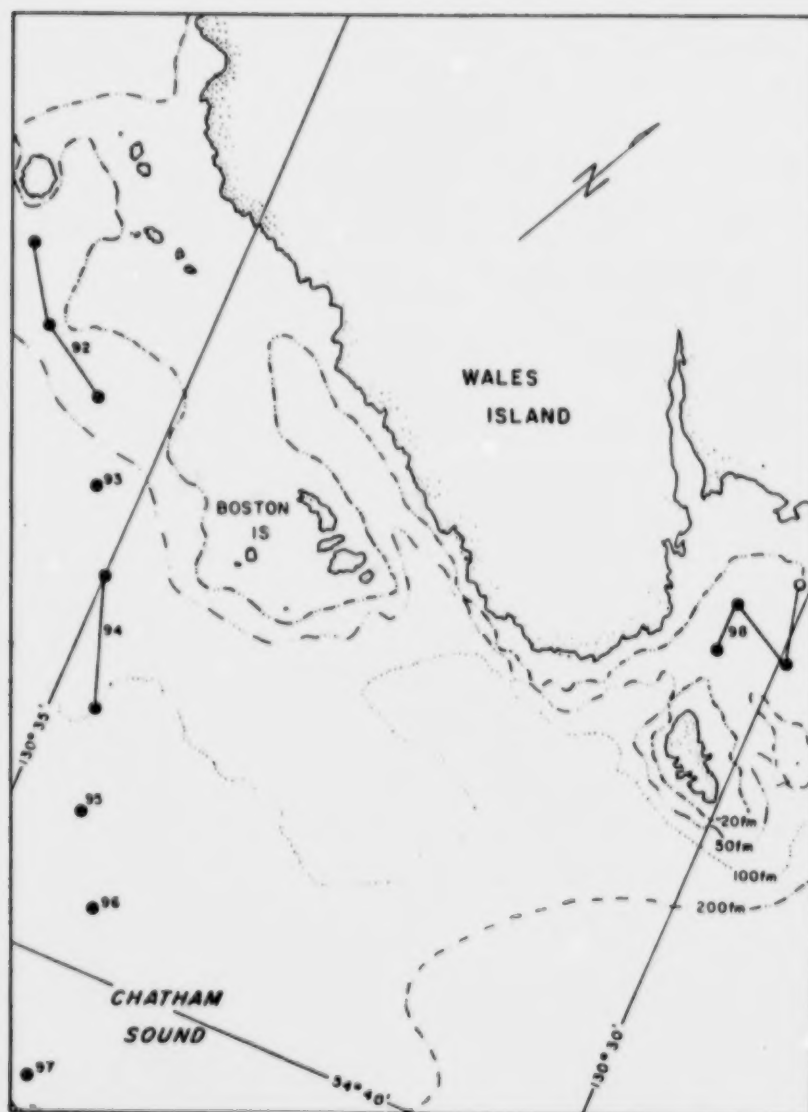


Fig. 4. Trap locations in northern Chatham Sound.
Chart 3992.

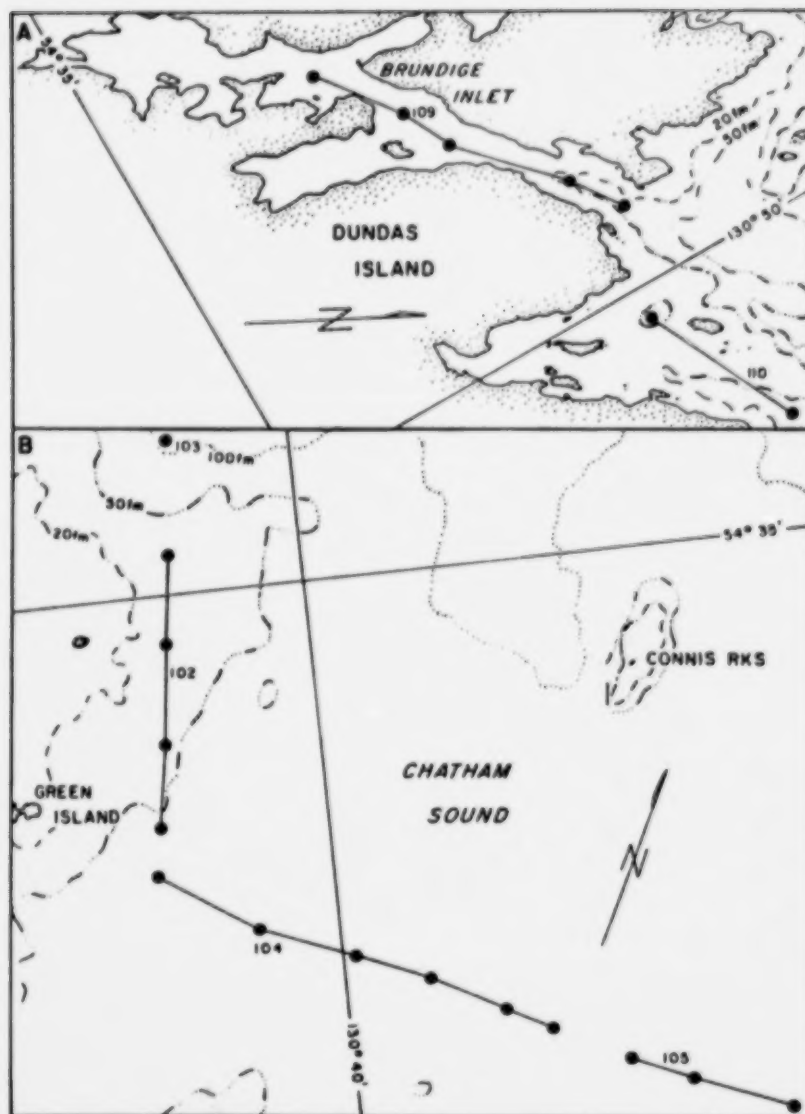


Fig. 5. Trap locations in: A. Brundige Inlet. Chart 3992. B. Chatham Sound. Chart 3991.

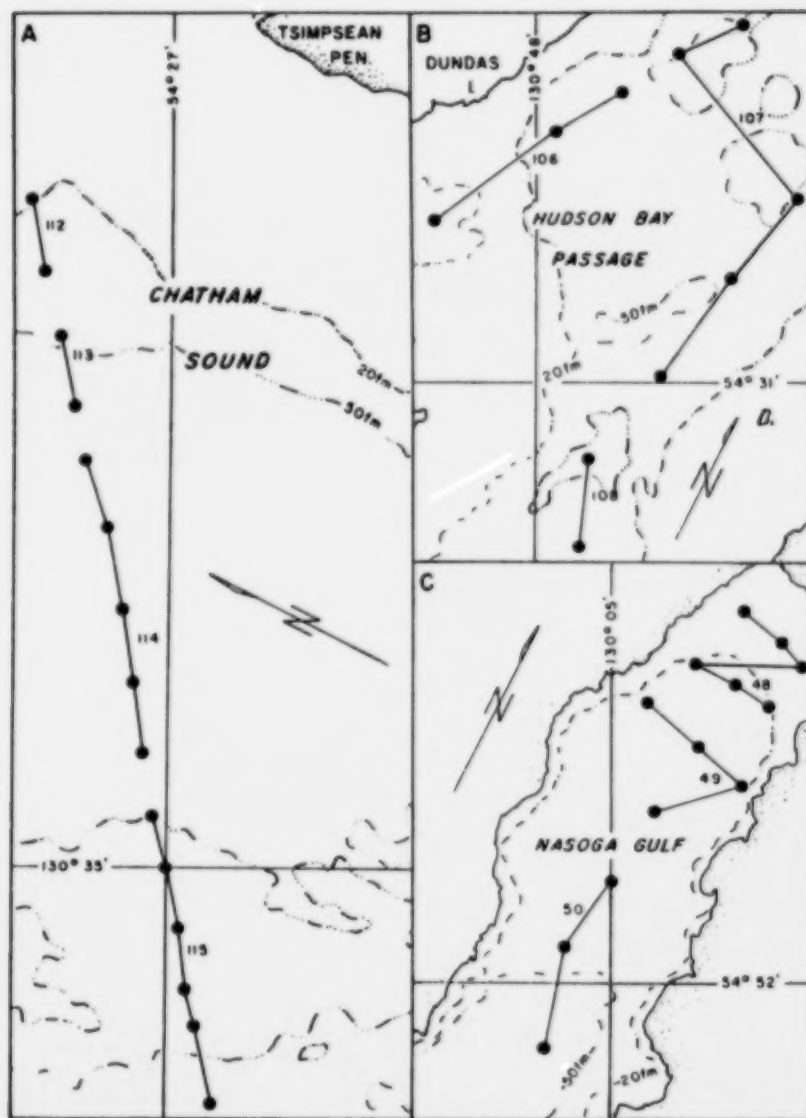


Fig. 6. Trap locations in: A. Chatham Sound. Chart 3991. B. Hudson Bay Passage. Chart 3991. C. Nasoga Gulf. Chart 3994.

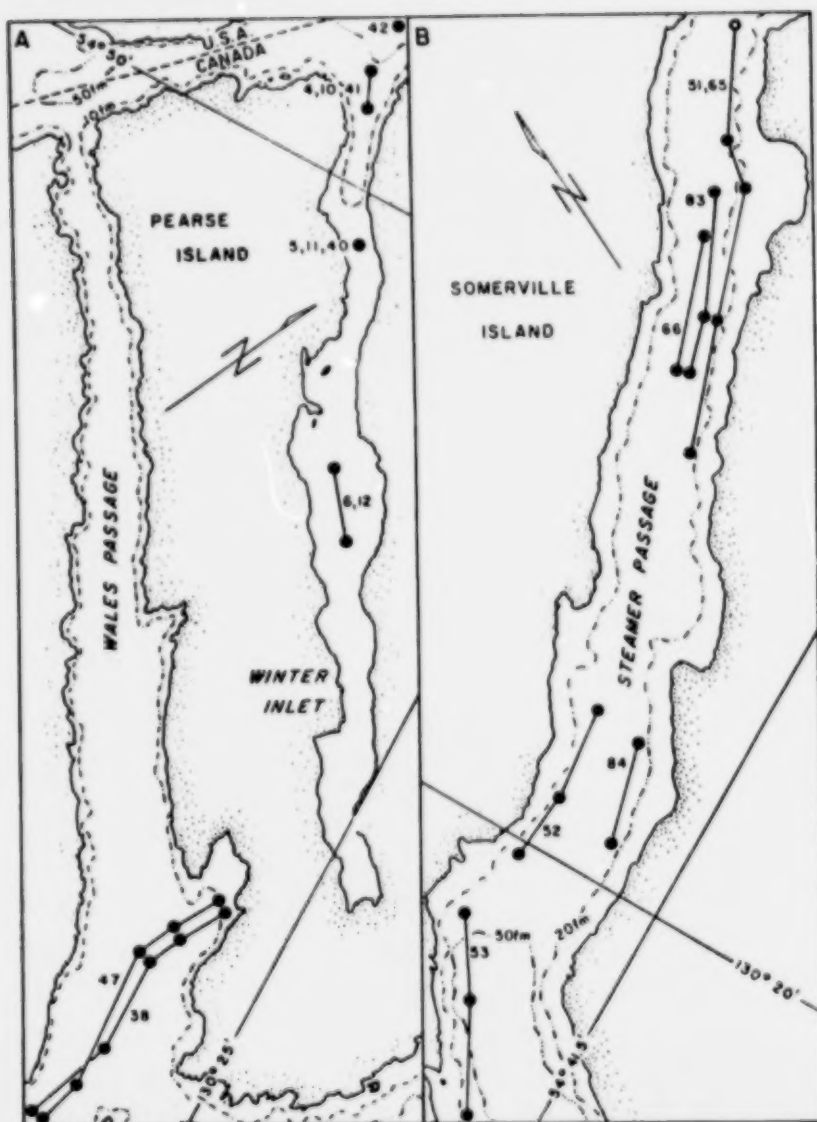


Fig. 7. Trap locations in: A. Observatory Inlet and the Pearse Canal area. Chart 3994. B. Steamer Passage. Chart 3994.

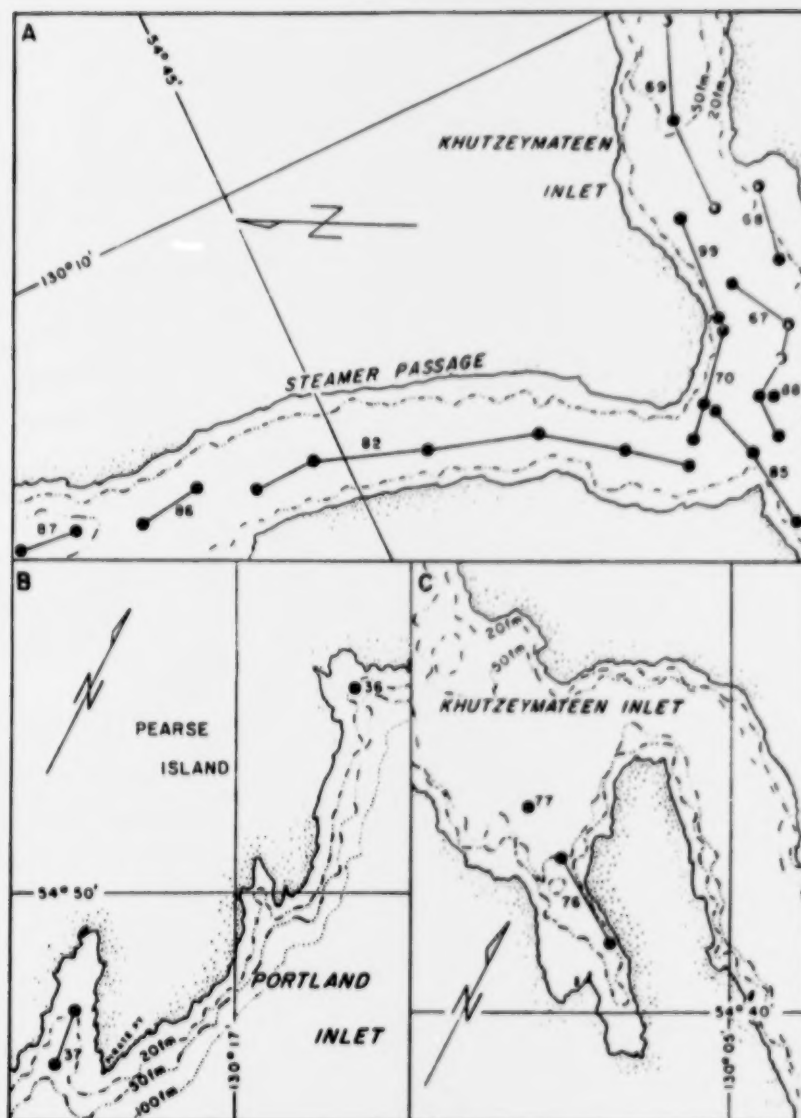


Fig. 8. Trap locations in: A. Steamer Passage and Khutzeymateen Inlet. Chart 3994. B. The Portland Inlet area. Chart 3994. C. Khutzeymateen Inlet. Chart 3994.

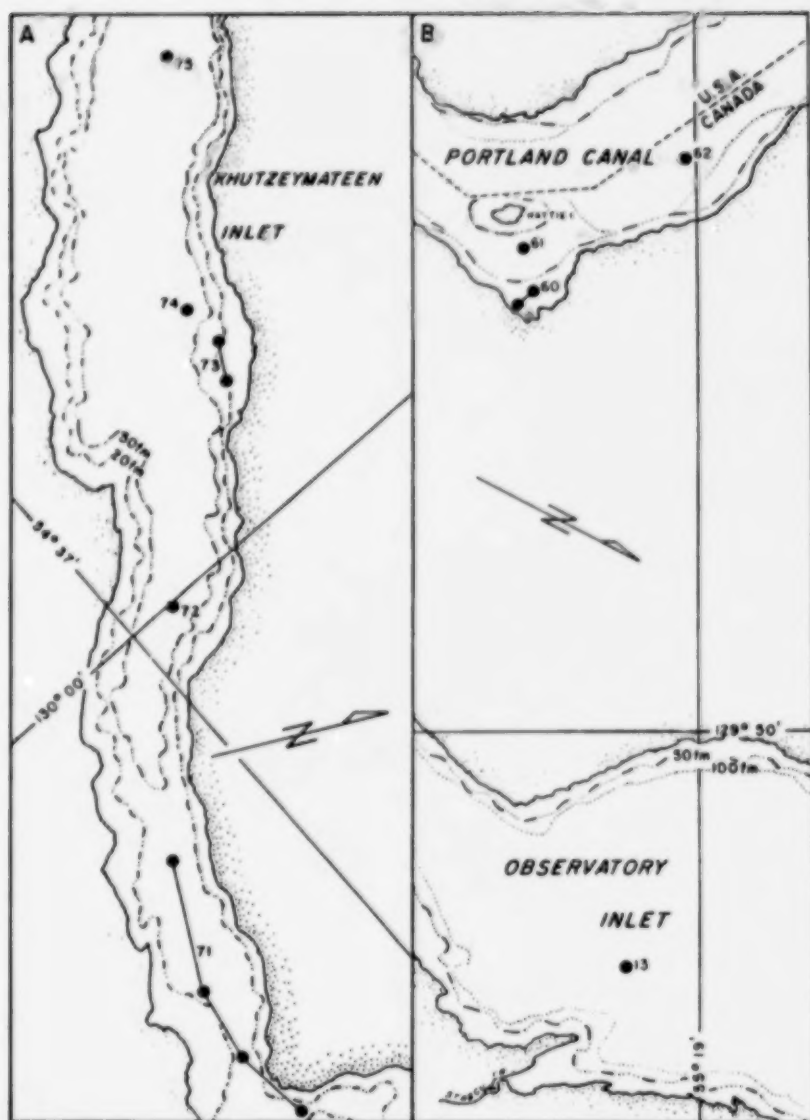


Fig. 9. Trap locations in: A. Khutzymateen Inlet. Chart 3994. B. Portland Canal and Observatory Inlet. Chart 3933.

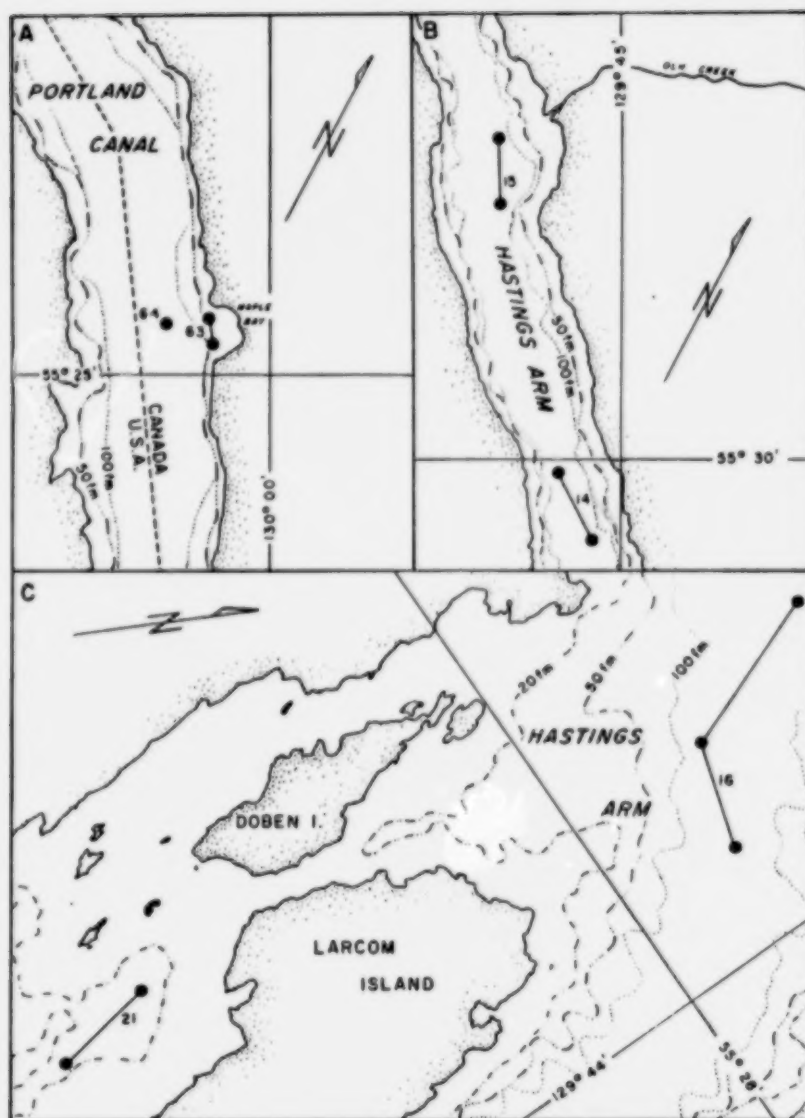


Fig. 10. Trap locations in: A. Portland Canal. Chart 3933. B. Hastings Arm. Chart 3933. C. Hastings Arm. Chart 3793.

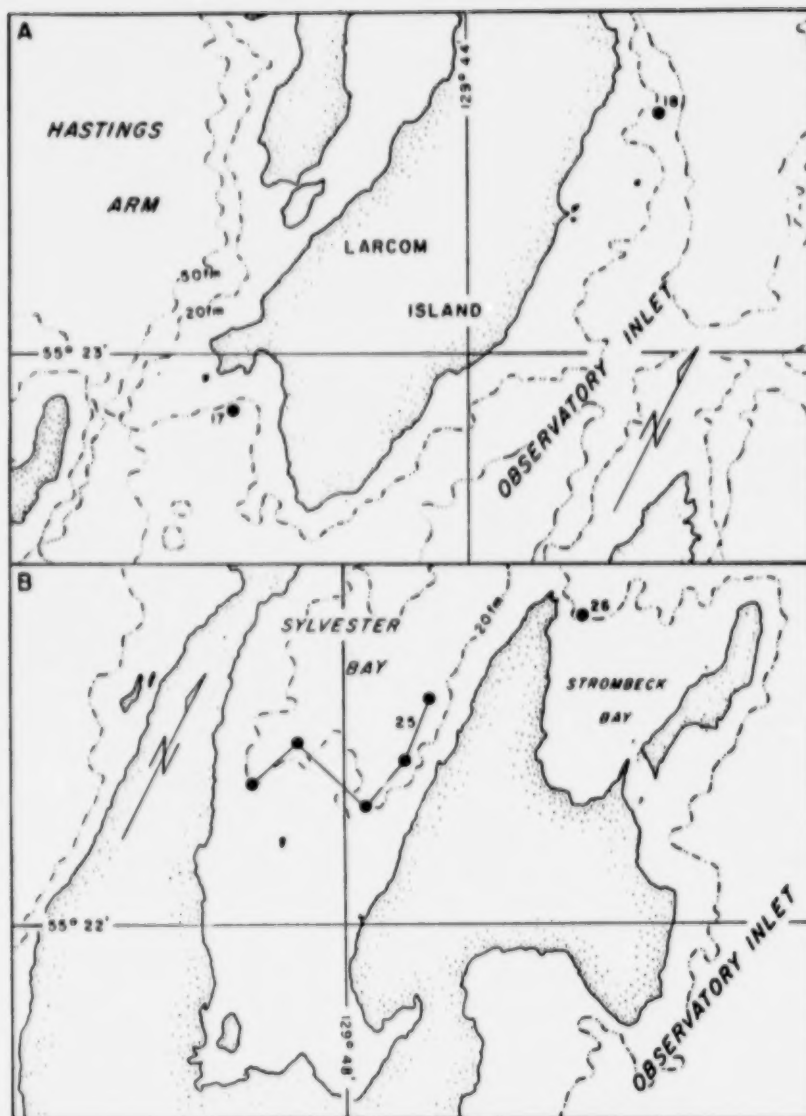


Fig. 11. Trap locations in: A. Observatory Inlet and Hastings Arm. Chart 3793. B. The Hastings Arm area. Chart 3793.

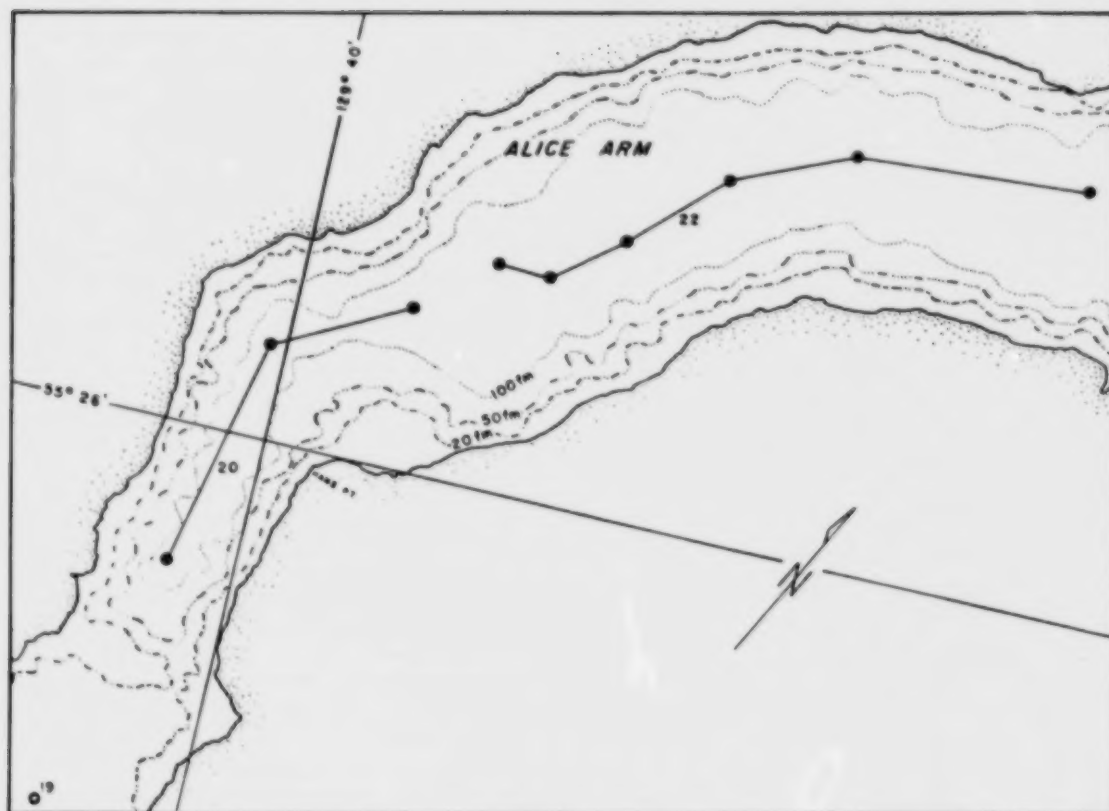


Fig. 12. Trap locations in Alice Arm. Chart 3793.

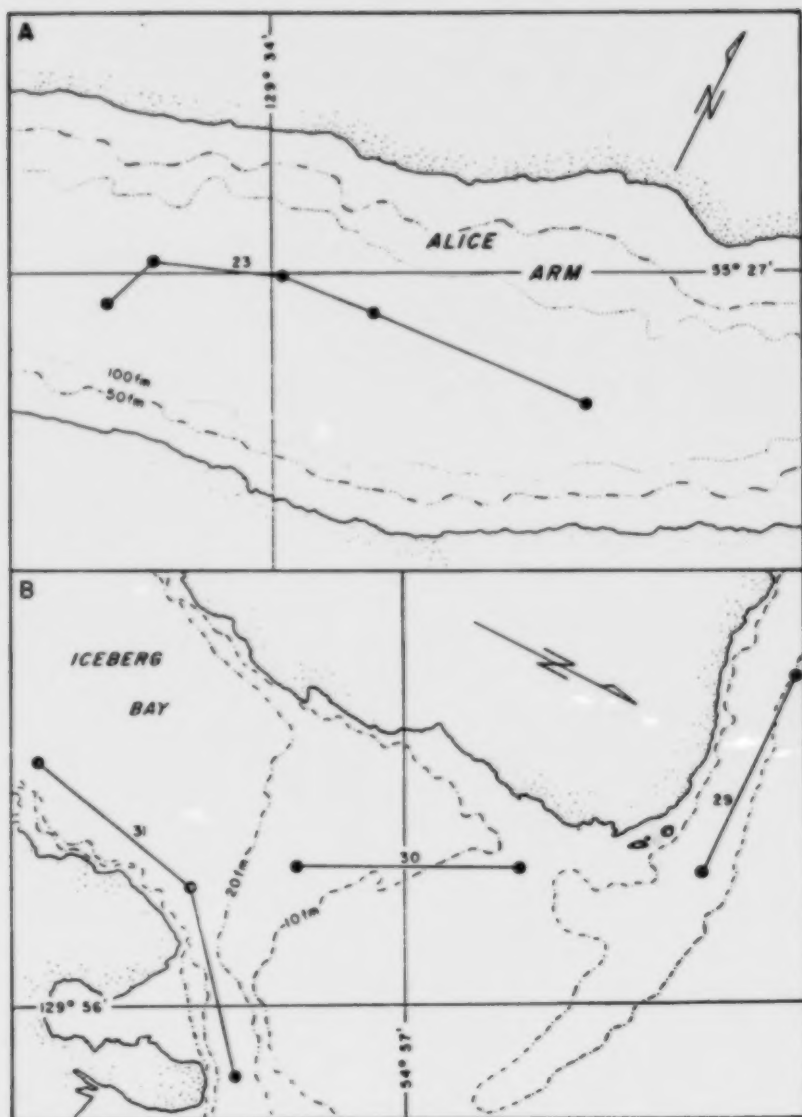


Fig. 13. Trap locations in: A. Alice Arm. Chart 3793. B. The Portland Inlet area. Chart 3790.

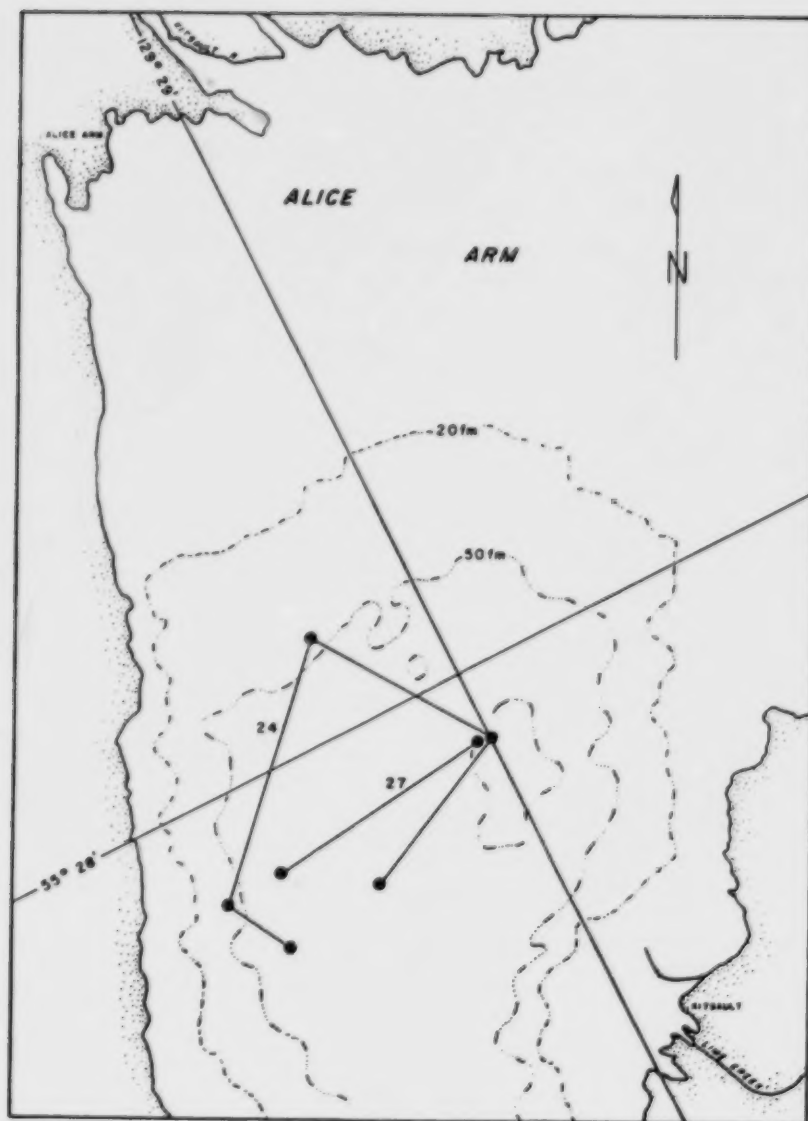


Fig. 14. Trap locations in Alice Arm. Chart 3793.

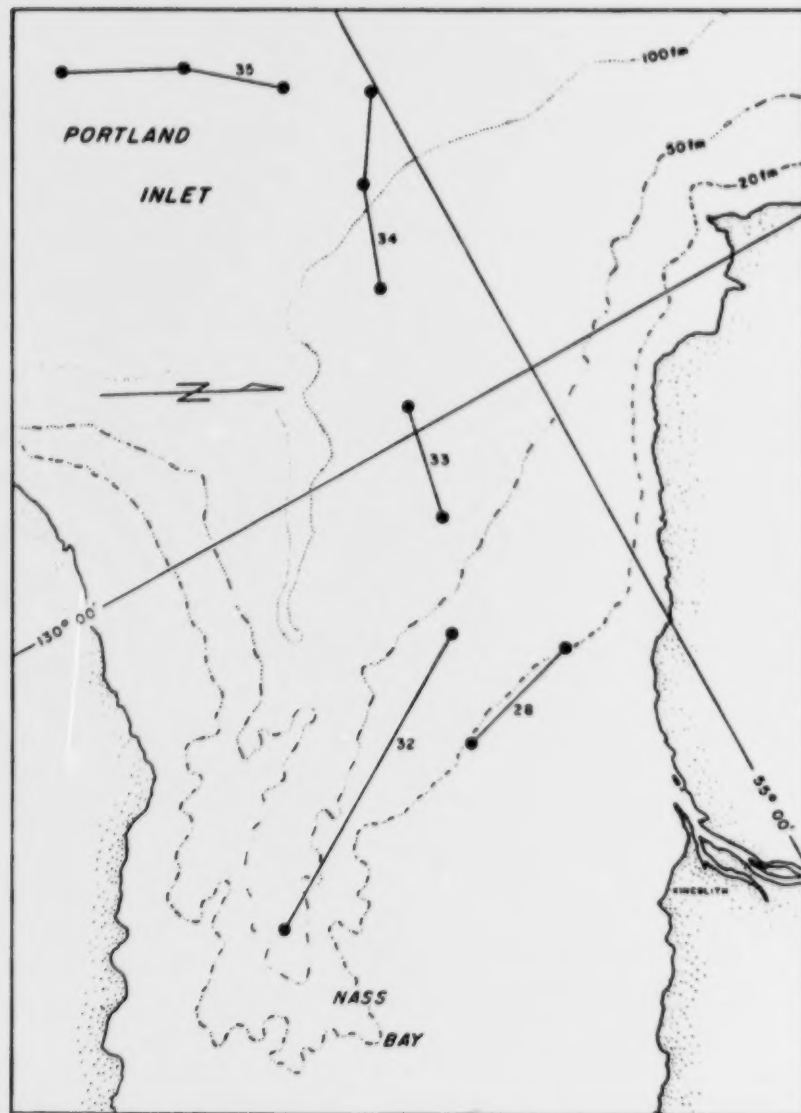


Fig. 15. Trap locations in the Portland Inlet area.
Chart 3790.

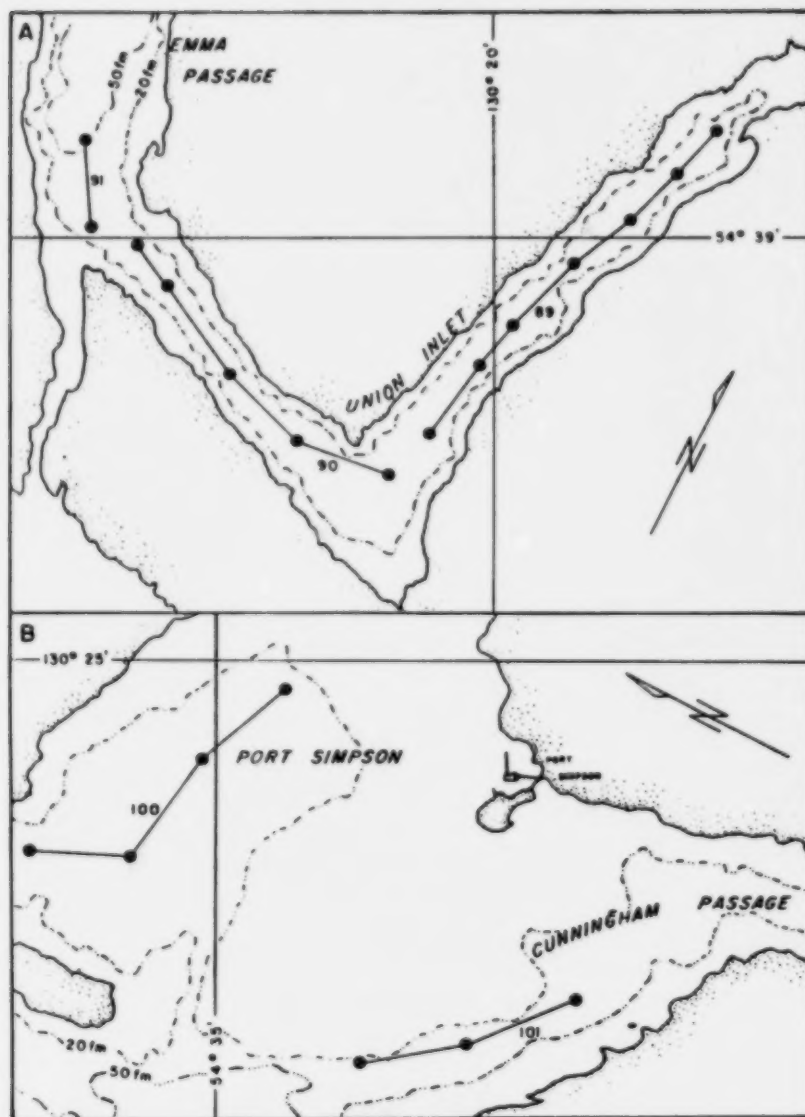


Fig. 16. Trap locations in: A. Union Inlet area. Chart 3993. B. The northern Chatham Sound area. Chart 3993.

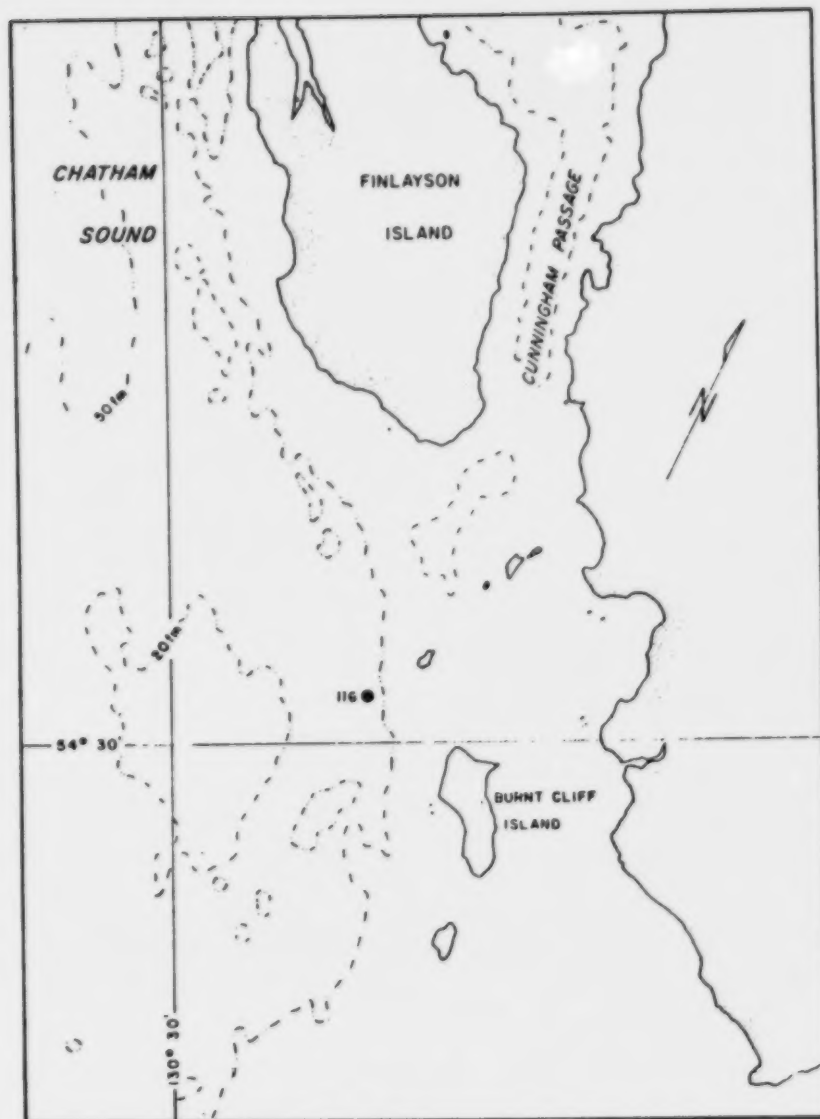


Fig. 17. Trap locations in Chatham Sound. Chart 3993.

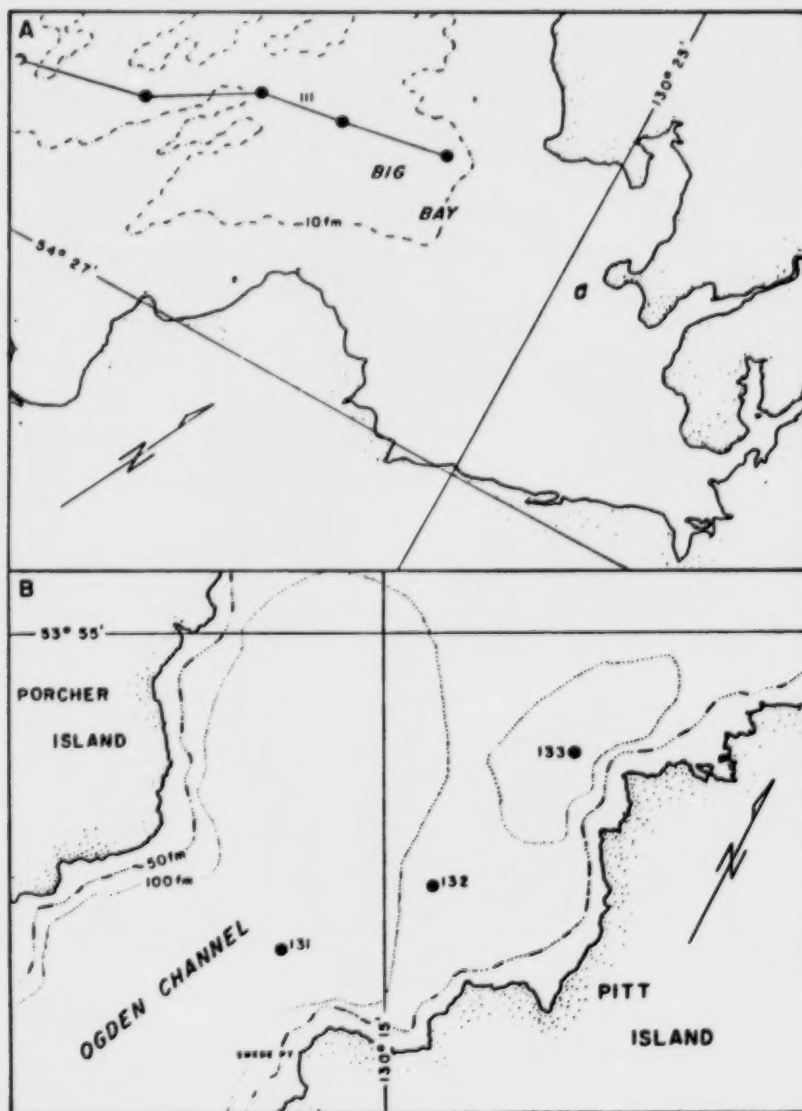


Fig. 18. Trap locations in: A. The northern Chatham Sound area. Chart 3993. B. Ogden Channel. Chart 3773.

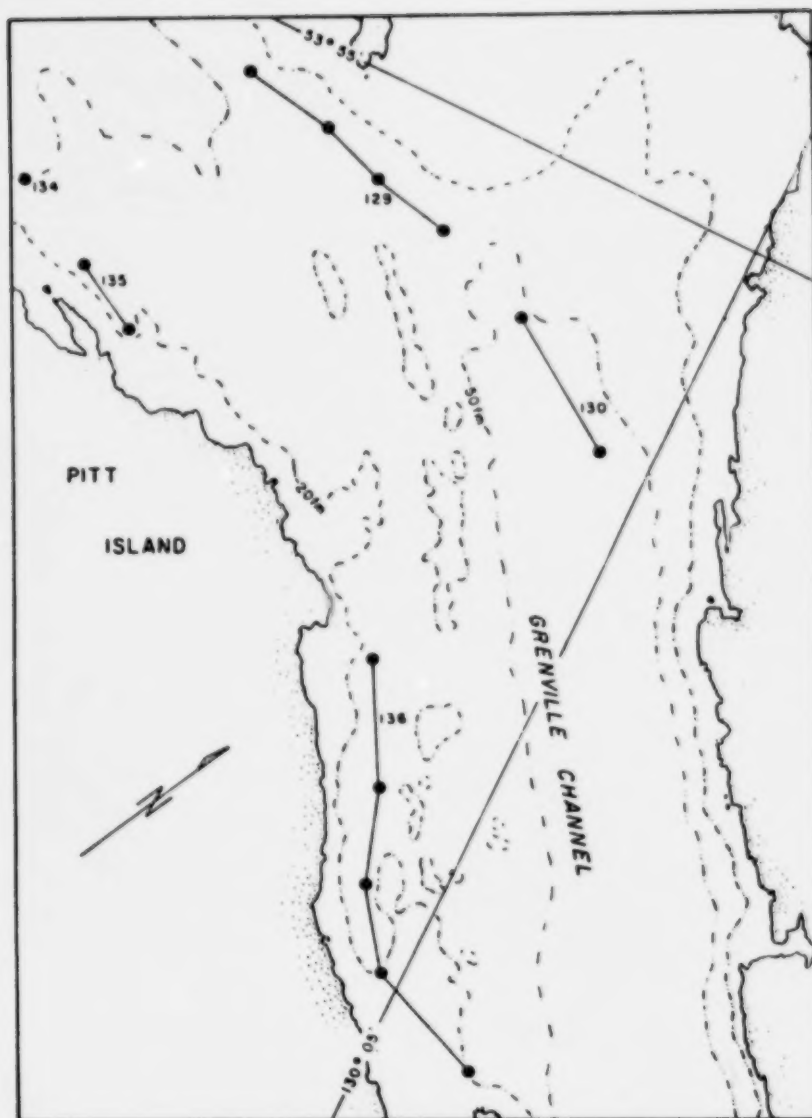


Fig. 19. Trap locations in Greenville Channel. Chart 3773.

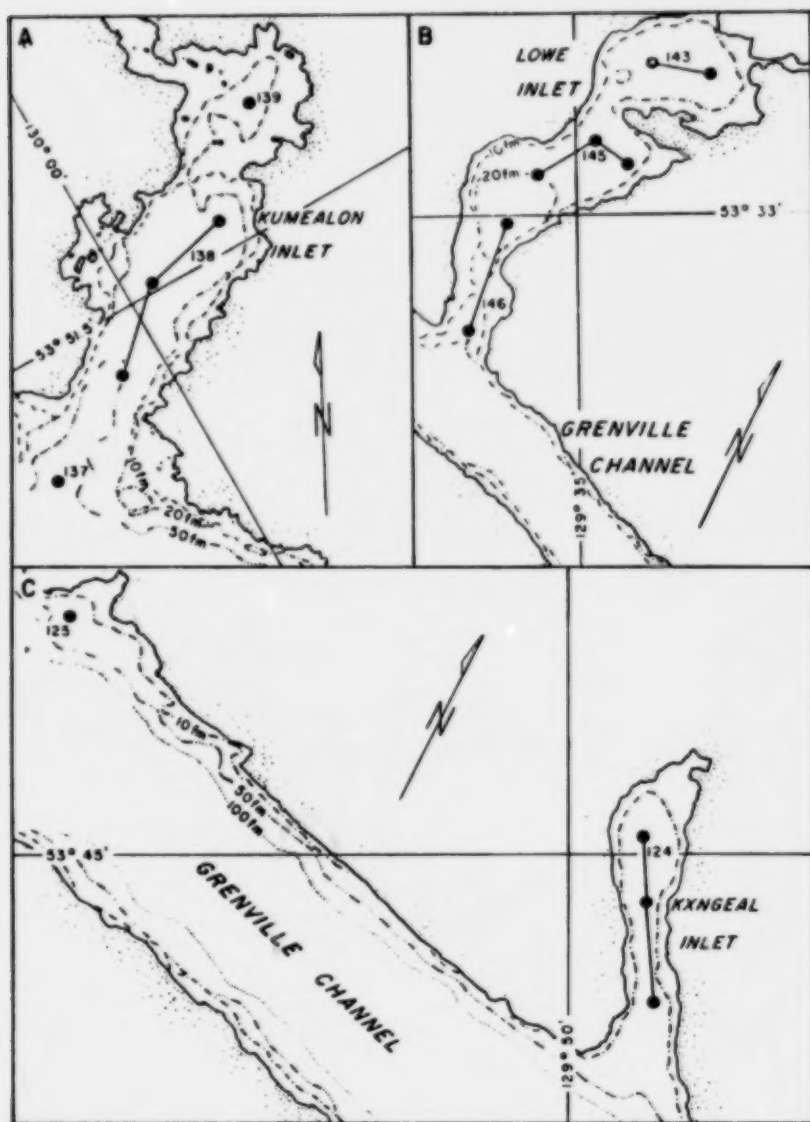


Fig. 20. Trap locations in Grenville Channel: A. Kumealon Inlet. Chart 3773. B. Lowe Inlet. Chart 3772. C. Kyngal Inlet. Chart 3772.

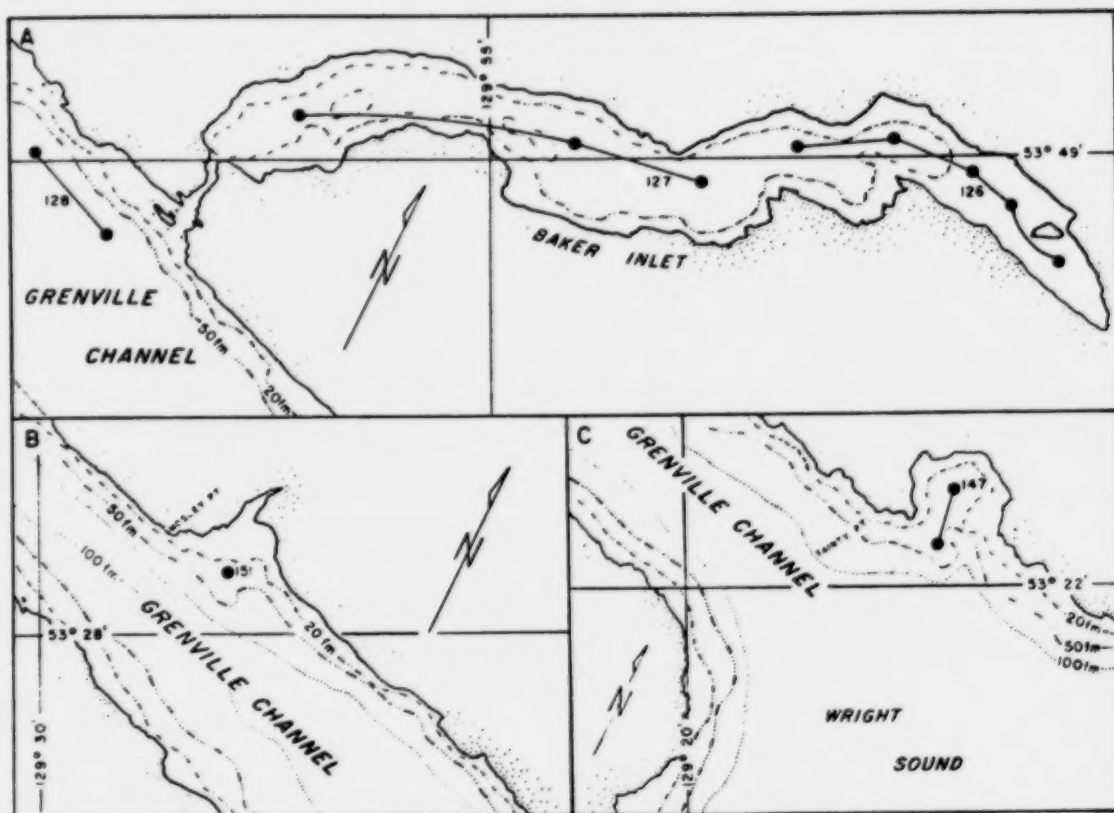


Fig. 21. Trap locations in Grenville Channel. Chart 3772. A. Baker Inlet. B. Mosley Point. C. Sainty Point.

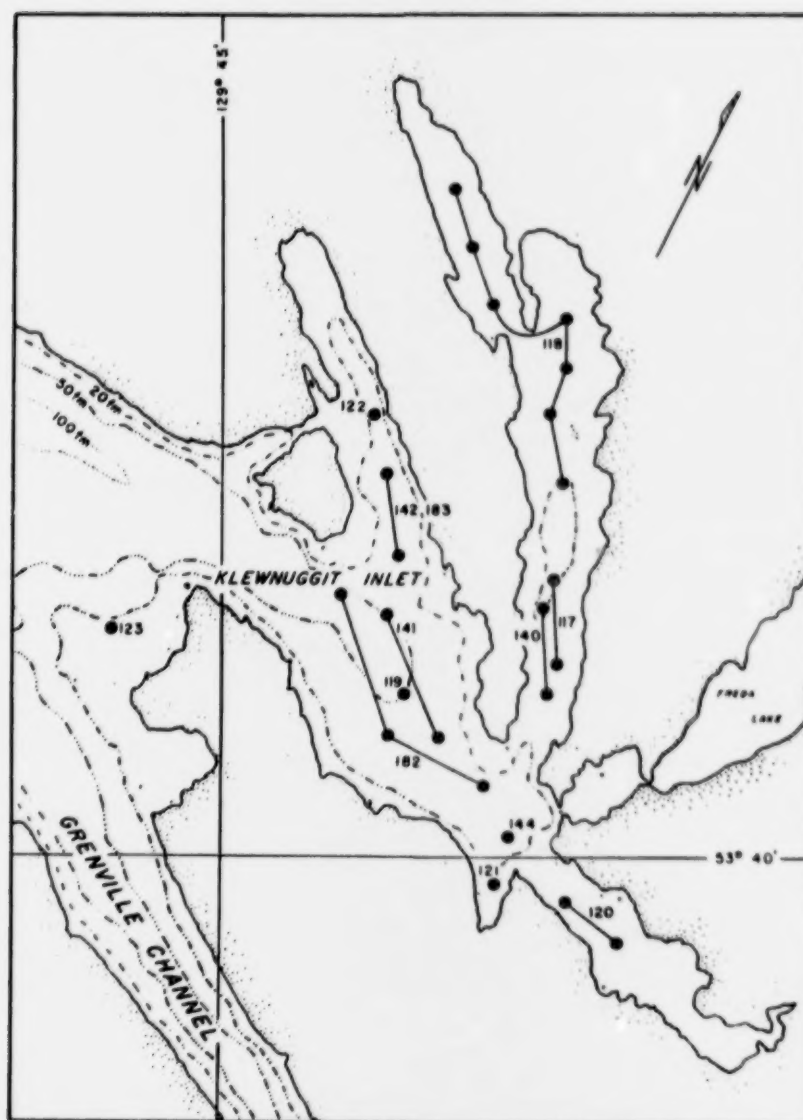


Fig. 22. Trap locations in Klewnuggit Inlet, off Grenville Channel. Chart 3772.

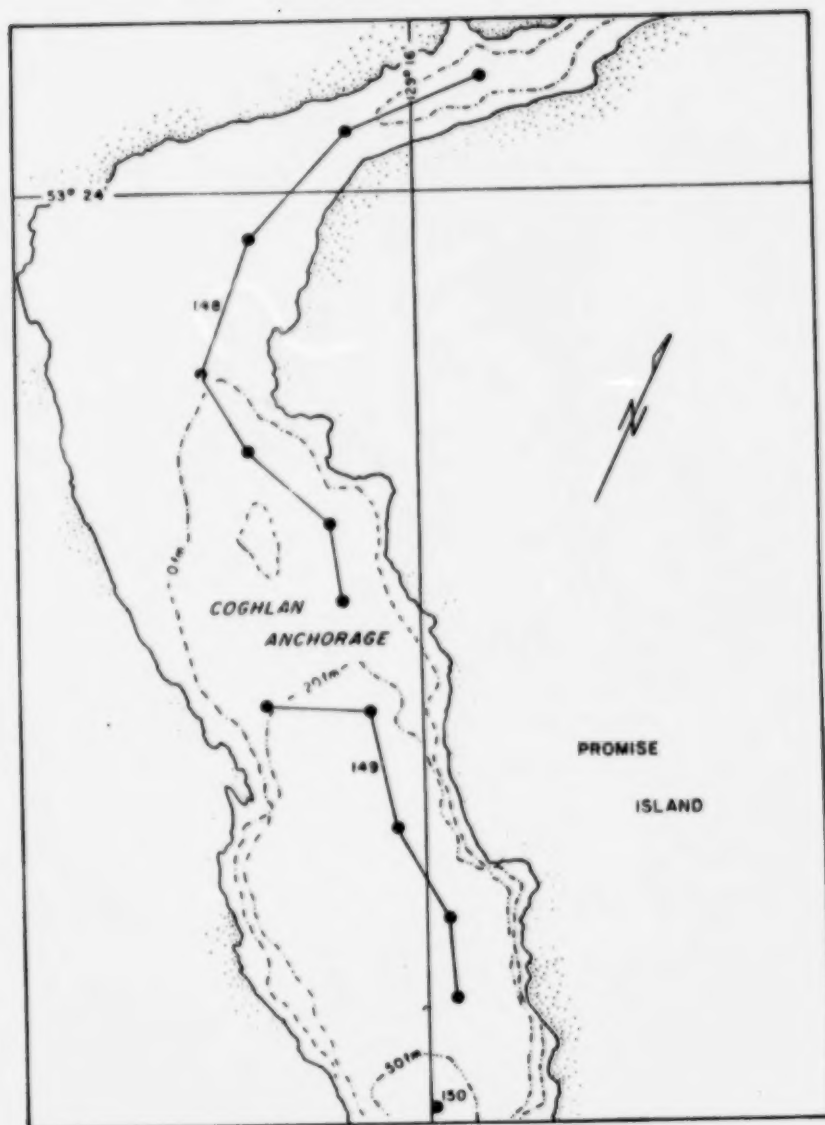


Fig. 23. Trap locations in the Douglas and Grenville Channel areas. Chart 3711.

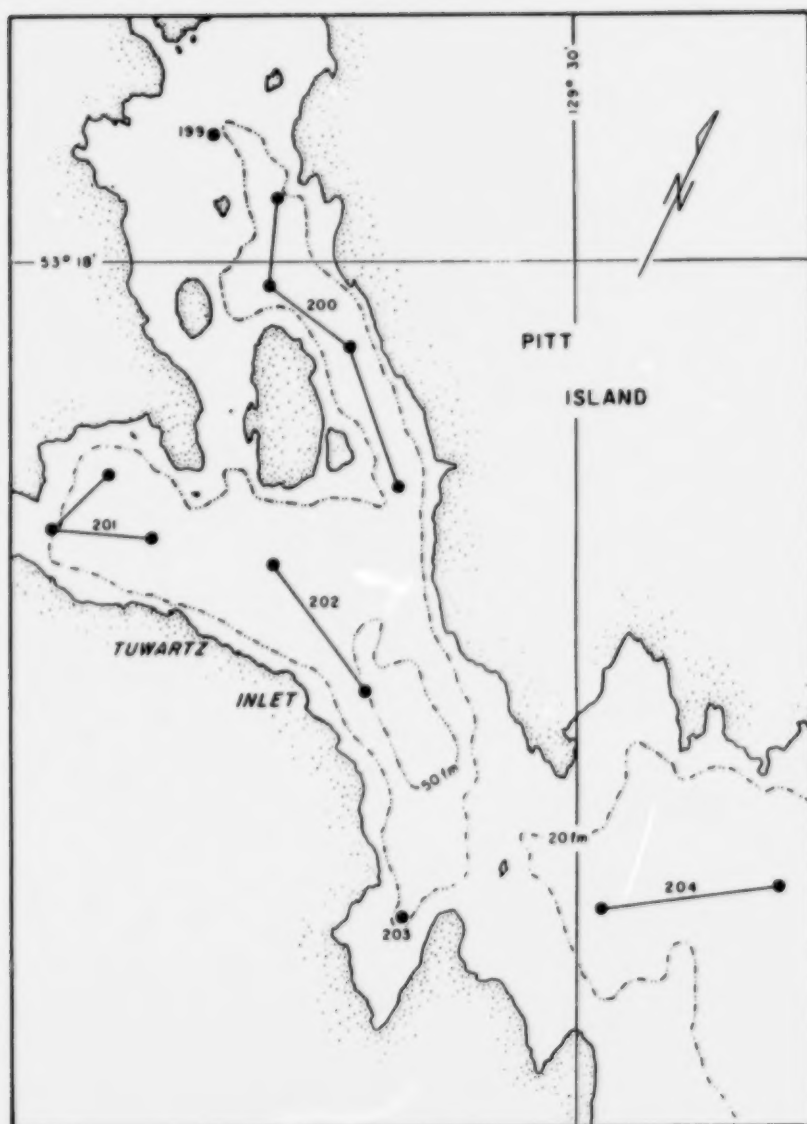


Fig. 24. Trap locations in the Squally Channel area.
Chart 3722.

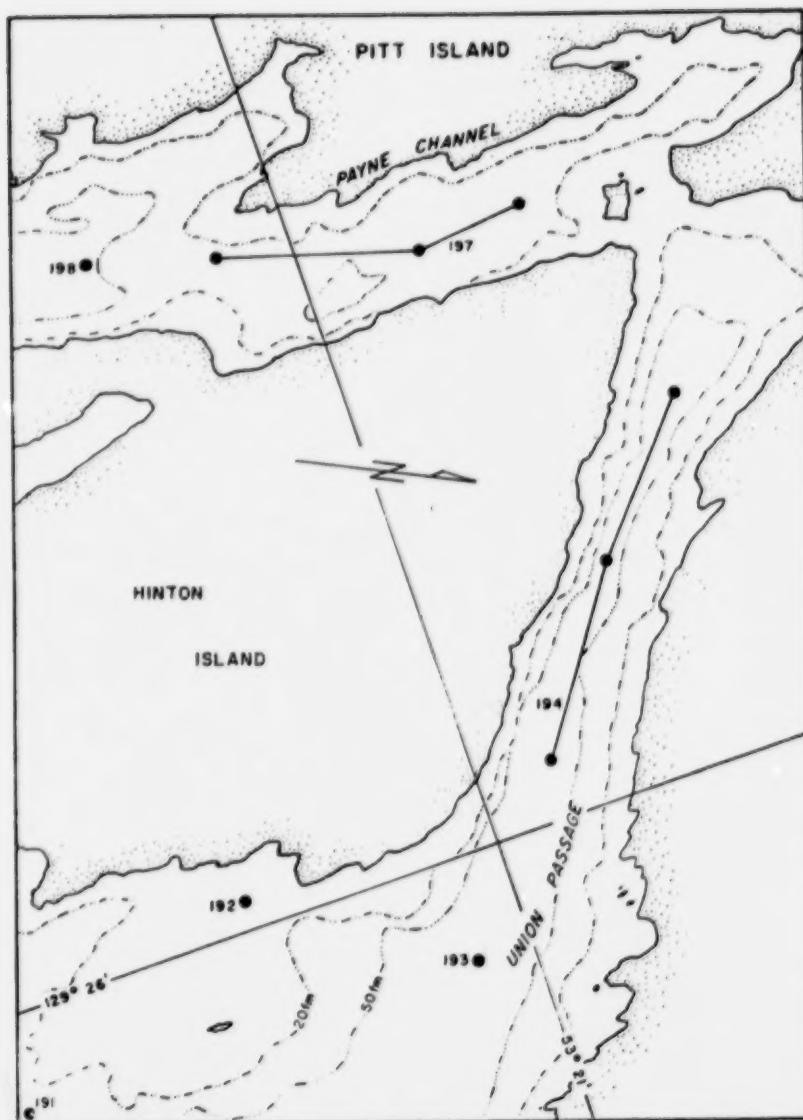


Fig. 25. Trap locations in the Squally Channel area.
Chart 3722.

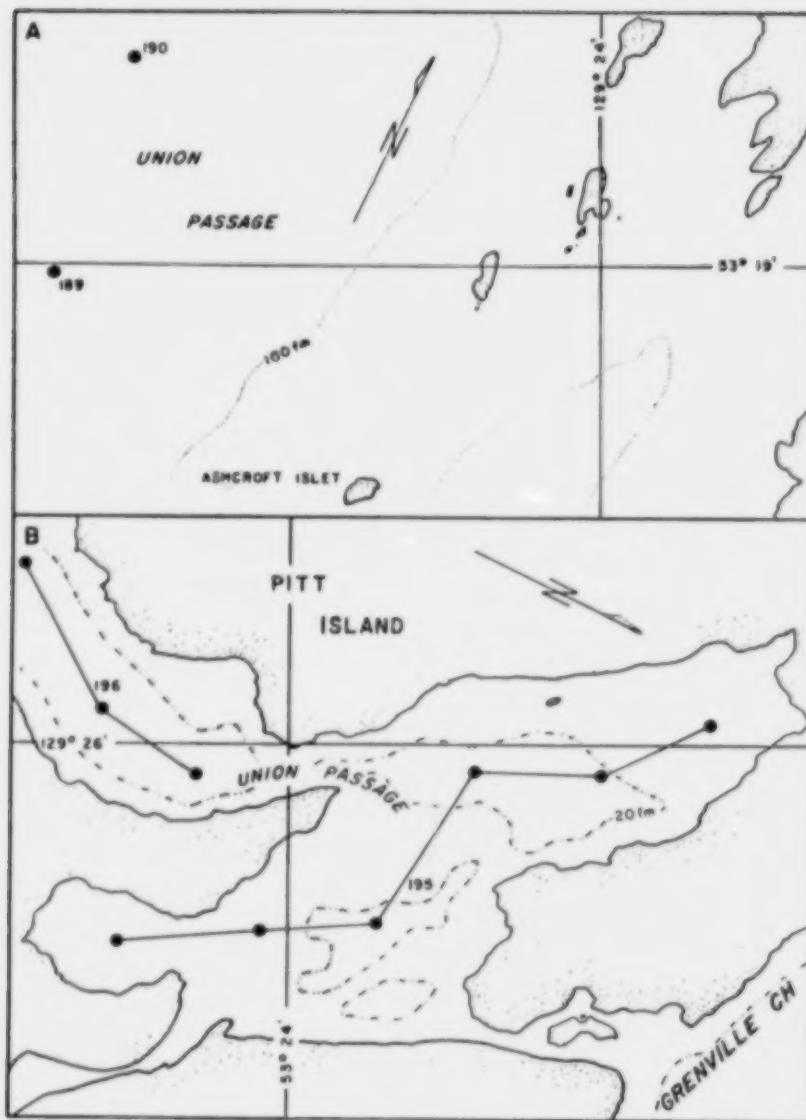


Fig. 26. Trap locations in the Squally Channel area. Chart 3722. A. South end of Union Passage. B. North end of Union Passage.

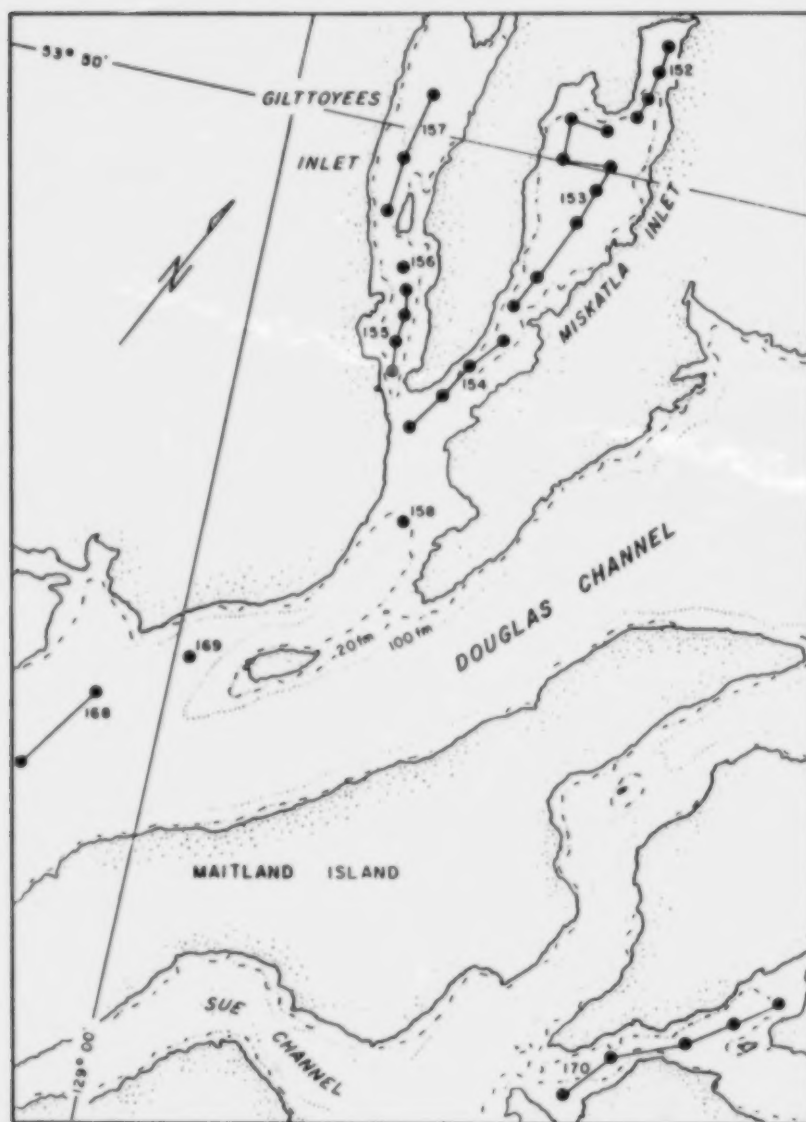


Fig. 28. Trap locations in the Douglas and Devastation Channel areas. Chart 3743.

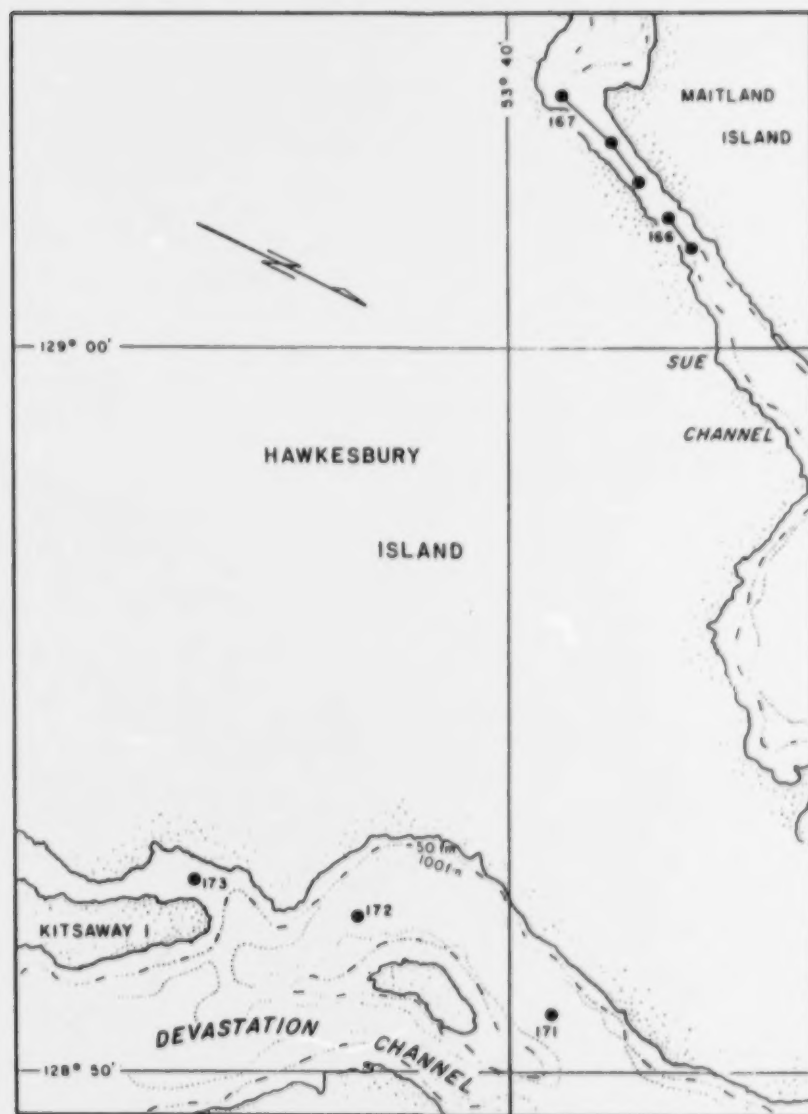


Fig. 29. Trap locations in the Douglas and Devastation Channel areas. Chart 3743.



Fig. 30. Trap locations in Verney Passage. Chart 3743.

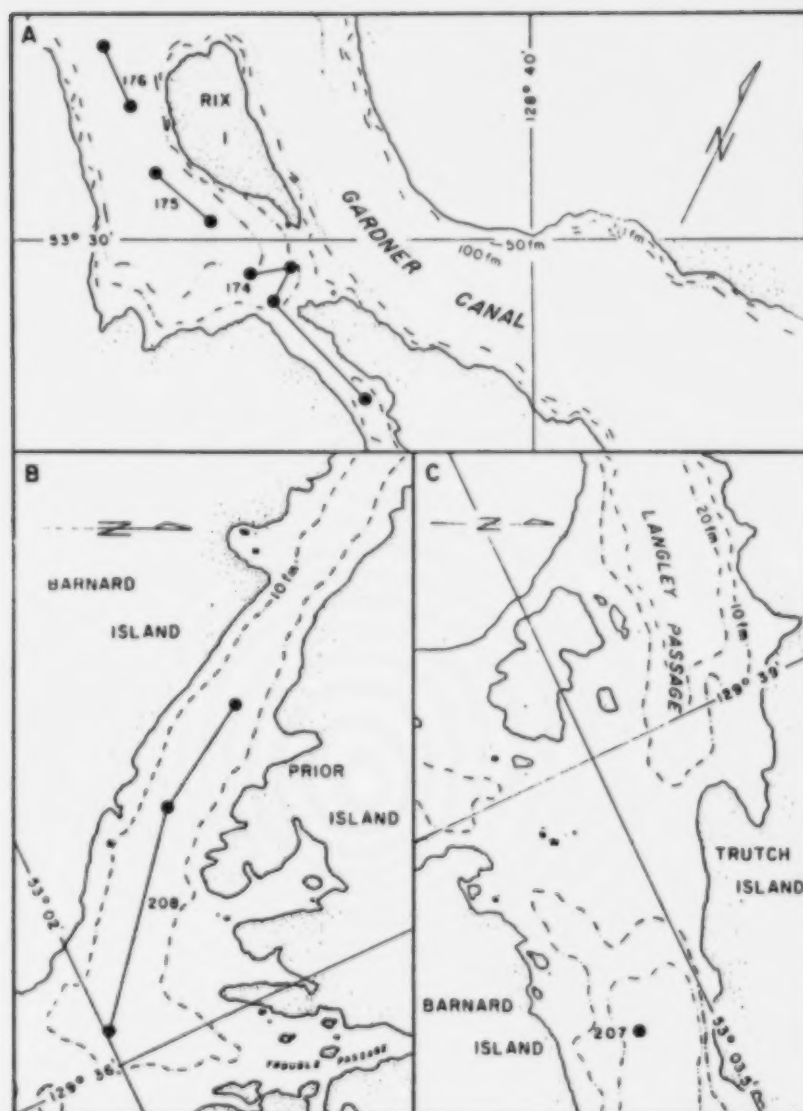


Fig. 31. Trap locations in: A. The Gardner Canal area. Chart 3743. B. The Langley Passage area -- Trouble Passage. Chart 3795. C. Langley Passage. Chart 3795.

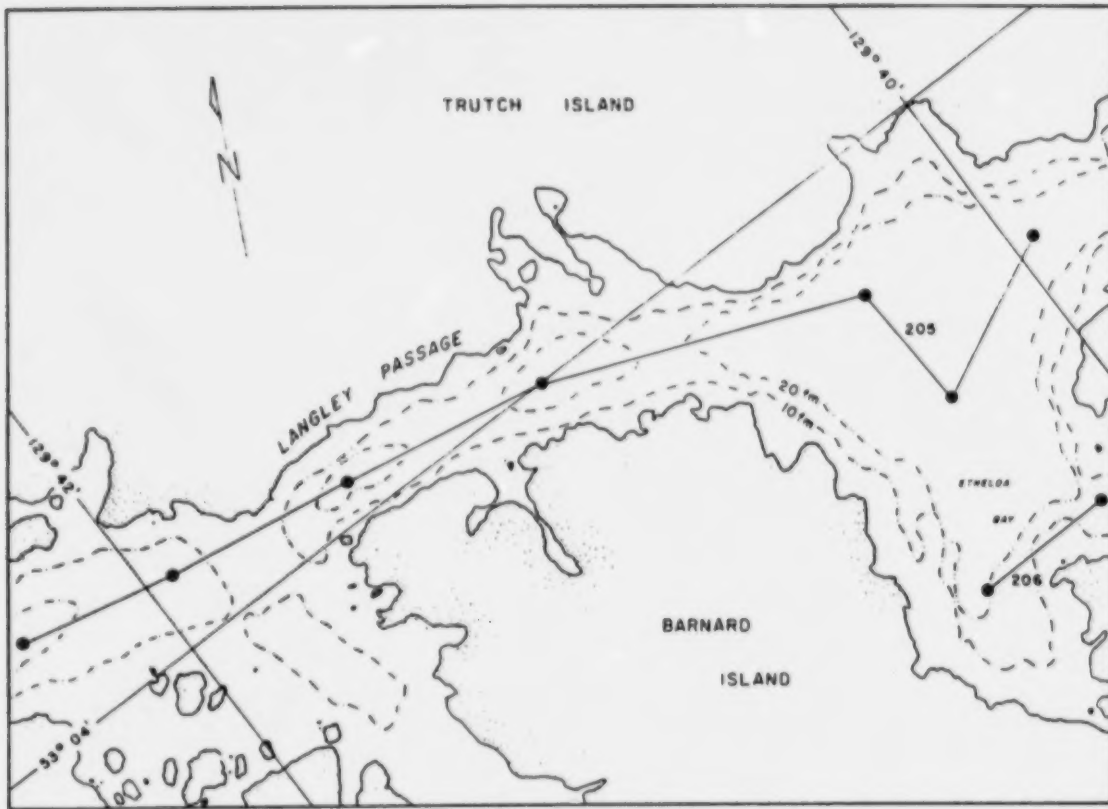


Fig. 32. Trap locations in Langley Passage. Chart 3795.

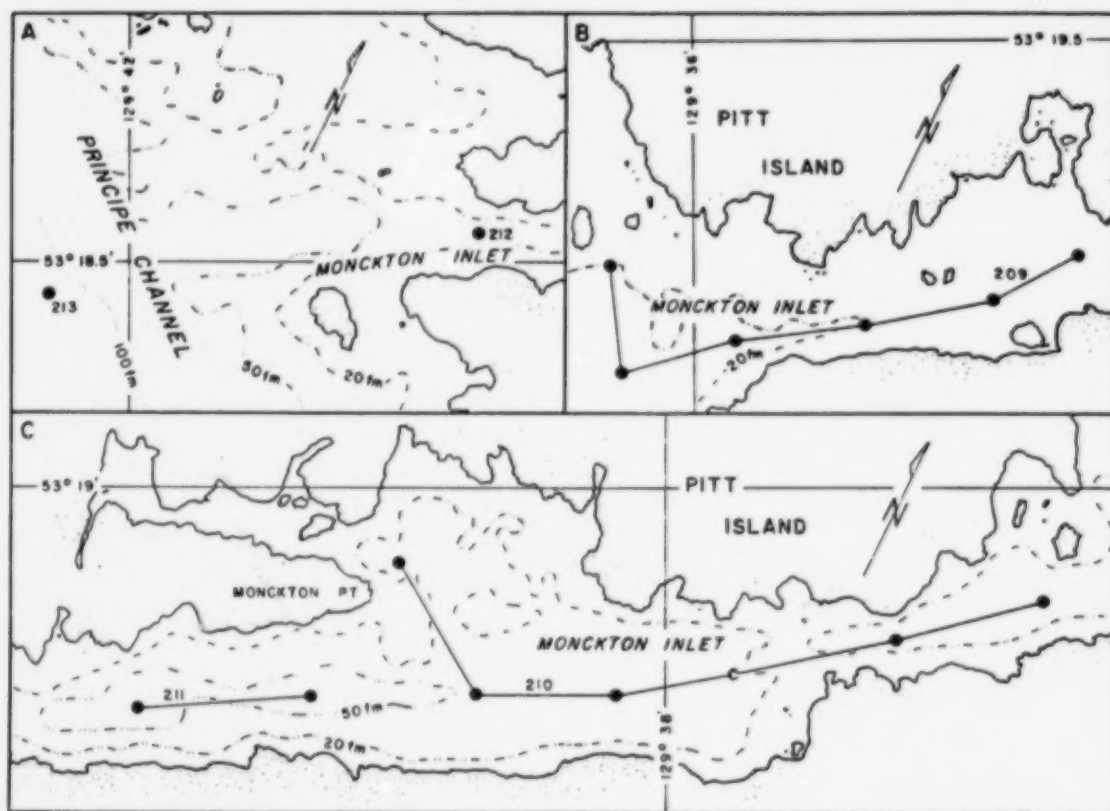


Fig. 33. Trap locations in the Principe Channel area. chart 3721.
A. Entrance of Monckton Inlet. B. Head of Monckton Inlet. C. Central portion of Monckton Inlet.

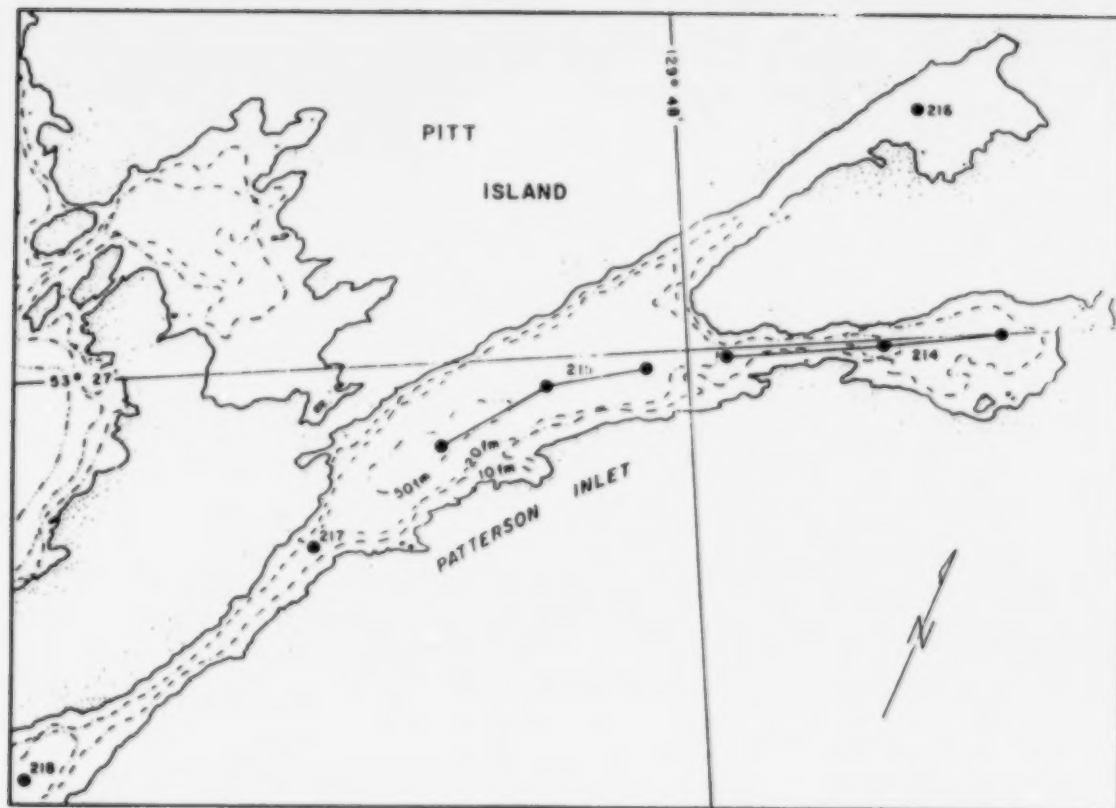


Fig. 34. Trap locations in the Principe Channel area. Chart 3721.

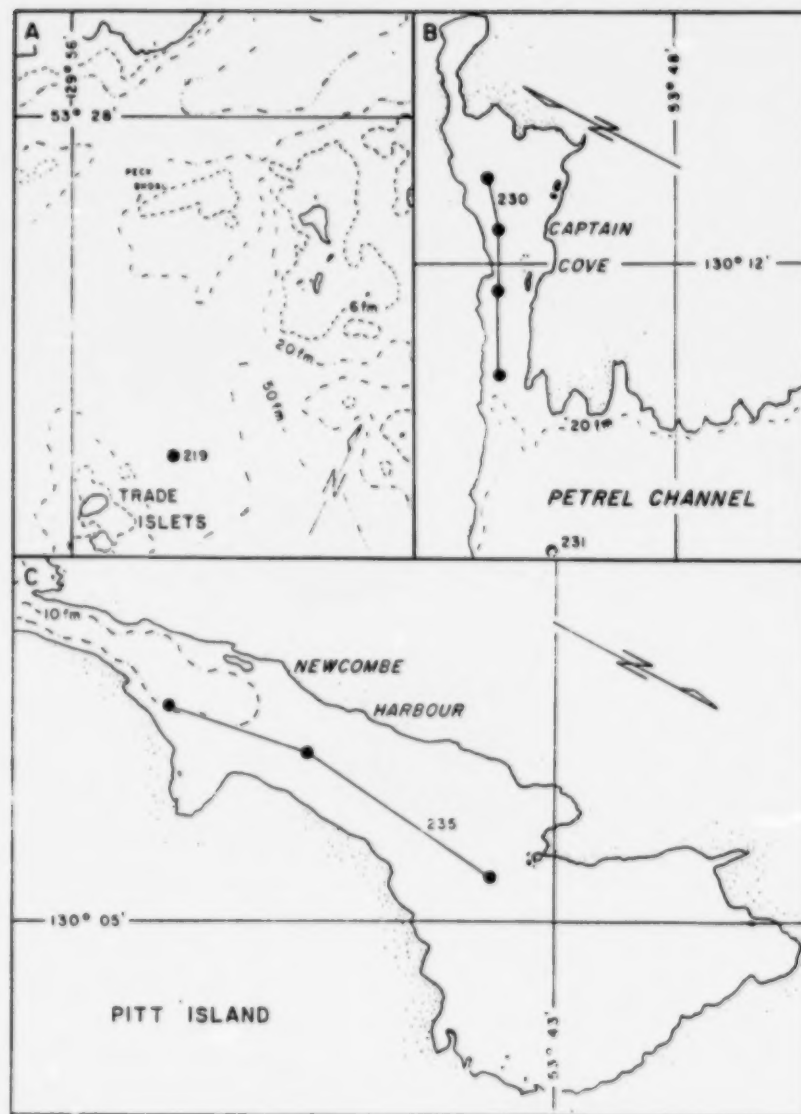


Fig. 35. Trap locations in the: A. Principe Channel area. Chart 3721. B. Petrel Channel area -- Captain Cove. Chart 3746. C. Petrel Channel area -- Newcombe Harbour. Chart 3753.

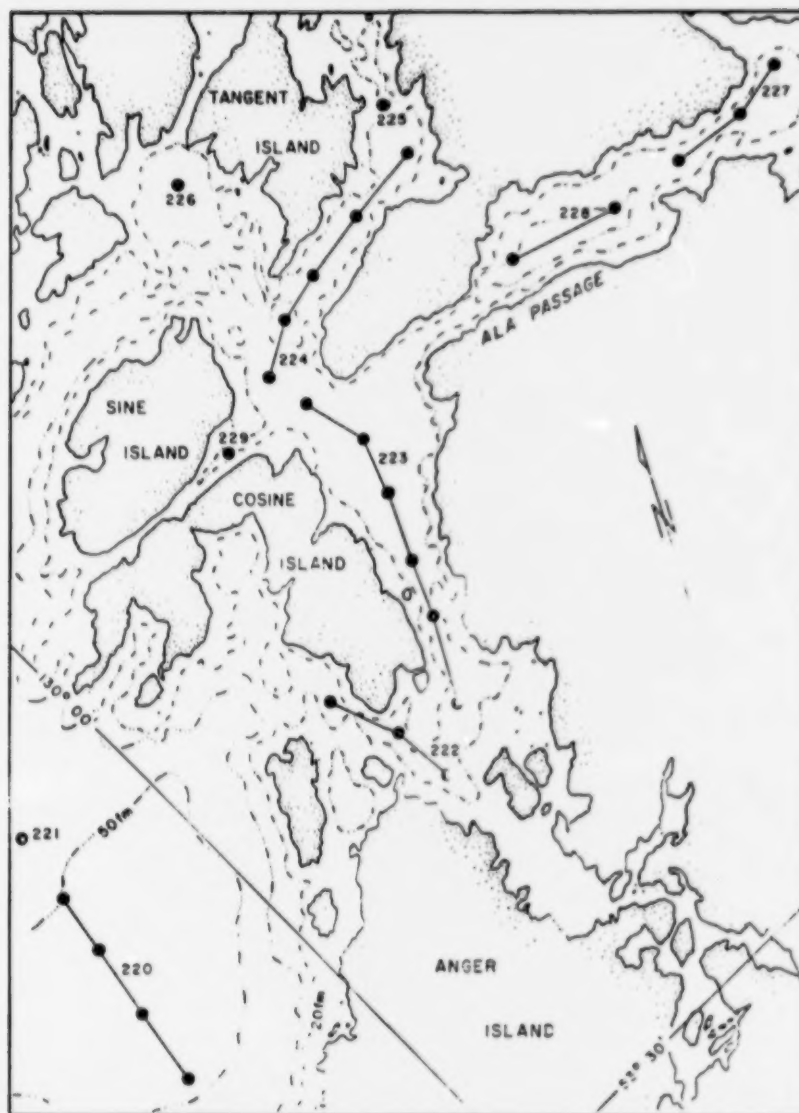


Fig. 36. Trap locations in the Principe and Petrel Channel areas. Chart 3746.

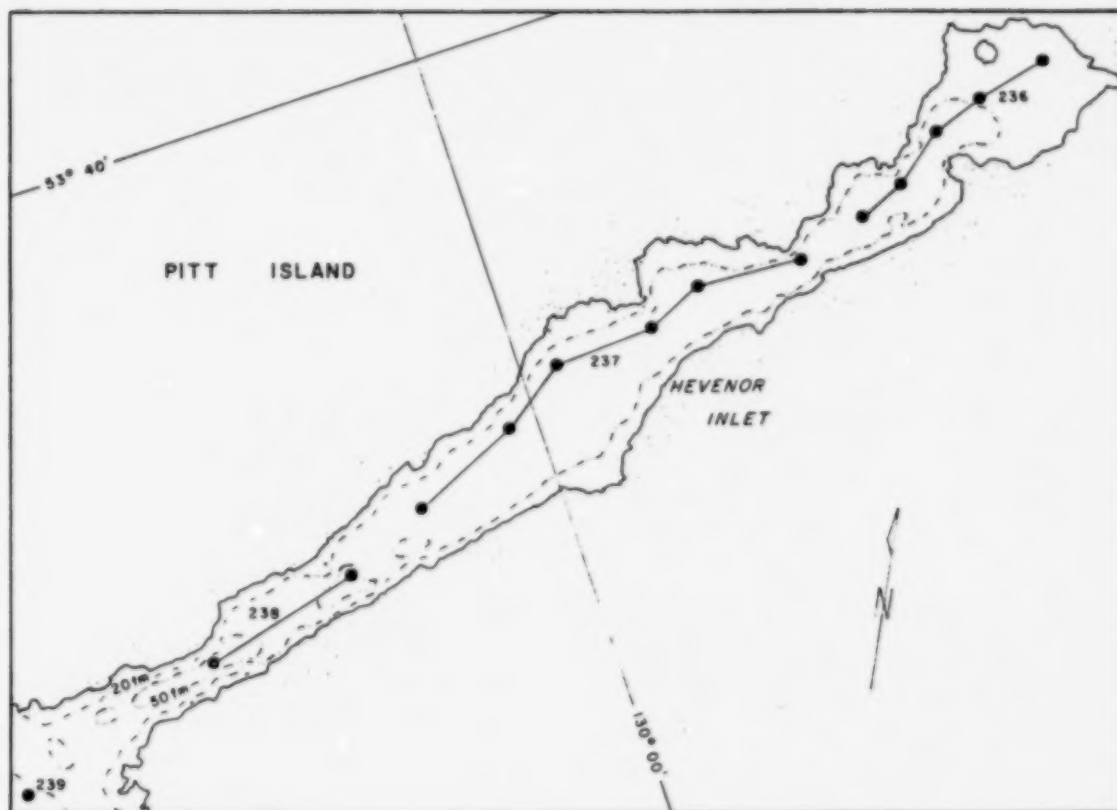


Fig. 37. Trap locations in the Petrel Channel area. Chart 3746.

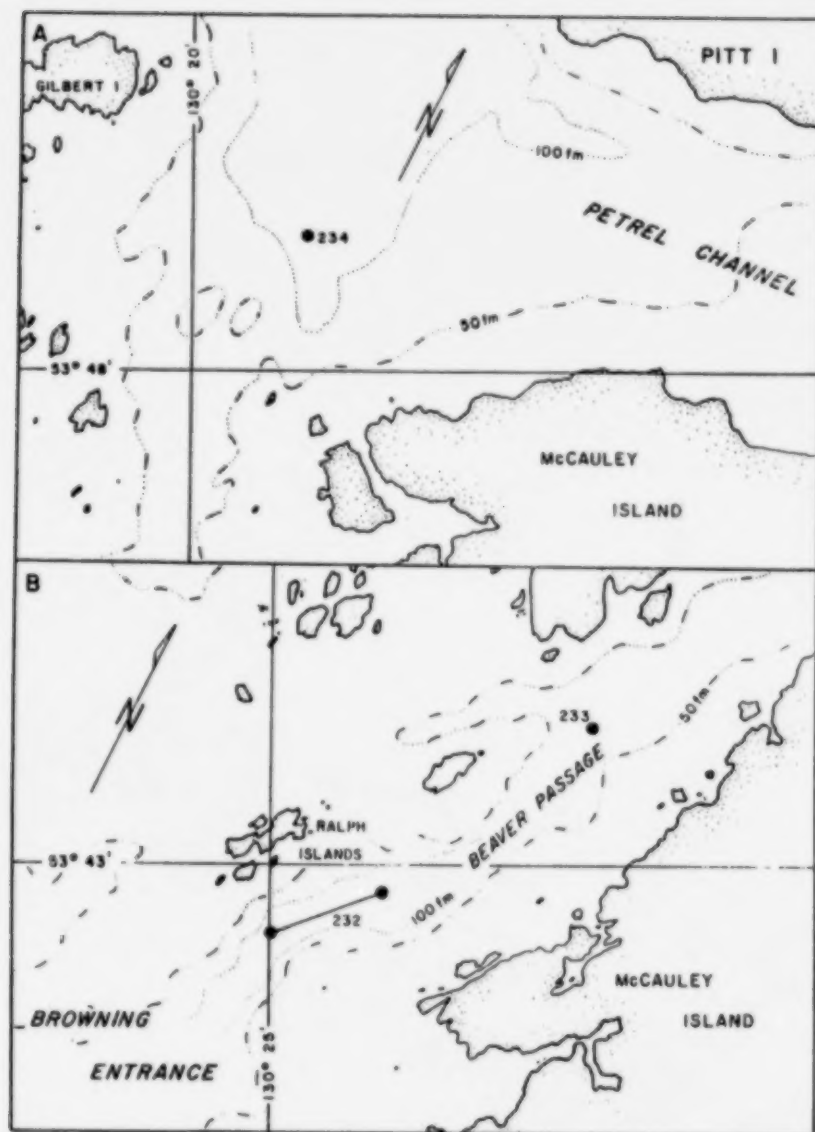


Fig. 38. Trap locations in: A. Petrel Channel. Chart 3747. B. Beaver Passage. Chart 3747.

APPENDIX TABLE 1
FISHING LOG FOR KING CRAB SURVEY MAY-JUNE 1982
SEE FOOTNOTE AT END OF TABLE FOR EXPLANATION OF TERMS

HAUL NO.	1	2	3	4	5	6
DATE	MAY 6	MAY 6	MAY 6	MAY 6	MAY 6	MAY 6
AREA	PRSC	PRSC	PRSC	PRSC	PRSC	PRSC
TIME START (PST)	1100	1100	1100	1100	1100	1100
DURATION (HR. MIN)	103.00	116.00	116.00	118.30	119.00	120.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	46.7	47.0	46.6	50.5	49.8	48.8
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	26.8	35.4	35.0	27.6	27.1	26.4
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	45.4	47.4	47.5	50.3	49.5	48.0
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	24.7	33.8	33.2	27.4	27.1	26.1
DISTANCE NAUT. MI.	1.7	1.0	1.3	.2	..	.3
DEPTH (FATHOMS)	26- 12	26- 27	24- 33	50- 38	12- 12	10- 5
SEE FIGURE NO.	3	3	3	7	7	7
SURFACE TEMP. (DEG. C)	7.6	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS	8	5	4	2	1	2
TOTAL CATCH (KG)	321	262	315	132	57	190
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	1	2	3	4	5	6
DATE	MAY 6	MAY 6	MAY 6	MAY 6	MAY 6	MAY 6
AREA	PRSC	PRSC	PRSC	PRSC	PRSC	PRSC
CATCH TOTAL (KG)	821	263	315	132	57	180
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
JCTOPLS	..	..	..	..	..	..
STARFISH	..	7	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	1	..	..	..	..
RED KING CRAB	787	259	264	132	57	180
C. MAJESTIC	..	..	..	..	..	..
C. BAIRDII	34	3	51	..	..	..
RED CLAW CRAB	..	..	..	7	..	7
OTHERS	..	..	7	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALIFORNIA	..	..	..	..	..	..
OTHELPS	..	..	..	..	..	..
OTHER ROUND FISH						
SQUACOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELAHNE						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	7	8	9	10	11	12
DATE	MAY 10	MAY 11	MAY 11	MAY 11	MAY 11	MAY 11
AREA	PRSC	PRSC	PRSC	PRSC	PRSC	PRSC
TIME START (PST)	1800	700	700	930	1000	1100
DURATION (H.MIN)	111.00	94.00	73.00	69.30	69.00	67.30
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	45.7	47.0	47.3	50.5	49.8	48.8
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	35.8	35.4	35.8	27.6	27.1	26.4
DIRECTION (DEG TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	45.4	47.4	47.5	50.3	49.8	48.6
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	35.7	35.8	35.8	27.4	27.1	26.1
DISTANCE NAUT. MI.	1.7	1.0	.4	.2	.2	.3
DEPTH (FATHOMS)	30- 13	26- 27	28- 34	49- 32	16- 16	10- 5
SEE FIGURE NO.	3	3	3	7	7	7
SURFACE TEMP (DEG.C)	..	..	..	..	..	..
BOTTOM TEMP (DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS	8	5	2	2	1	2
TOTAL CATCH (KG)	613	122	31	141	67	98
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	7	8	9	10	11	12
DATE	MAY 10	MAY 11	MAY 11	MAY 11	MAY 11	MAY 11
AREA	PRSC	PRSC	PRSC	PRSC	PRSC	PRSC
CATCH TOTAL (KG)	618	122	31	141	67	99
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
JCTOPLS	..	..	..	..	..	..
STARFISH	..	..	1	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
SEA CABB	..	2	..	..	..	..
RED KING CRAB	550	54	15	139	67	94
C. PACIFIC	2	..	..	..	..	2
C. BIRDIE	52	24	15	2	..	3
RED CLAW CRAB	1	..	..	..	..	..
OTHERS	..	..	..	..	..	..
FLATFISH						
HALLIBUT	14	41	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. GOLDFISH	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BL. CHUB	..	..	..	..	..	..
SILVER FISH	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SEA-CHIE						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	13	14	15	16	17	18
DATE	MAY 5	MAY 4	MAY 4	MAY 4	MAY 5	MAY 5
AREA	OBSI	HSTA	HSTA	HSTA	OBSI	HSTA
TIME START (PST)	1100	1100	1100	1100	1100	1100
DURATION (HR. MIN)	145.00	176.00	175.00	175.30	150.00	163.45
START N. LAT. (DEG)	55	55	55	55	55	55
(MIN)	18.3	29.5	32.5	28.8	22.9	23.7
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	46.2	46.6	47.0	45.2	45.1	43.1
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	55	55	55	55	55	55
(MIN)	19.3	29.3	32.3	28.3	22.9	23.7
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	46.2	45.4	46.9	44.5	45.1	43.1
DISTANCE NAUT. MI.	..	.7	.6	.7	..	..
DEPTH (FATHOMS)	285-285	163-160	145-160	155-165	25- 26	27- 27
SEE FIGURE NO.	9	10	10	10	11	11
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS	1	2	2	3	1	1
TOTAL CATCH (KG)	9	7	22	20	..	1
REMARKS	USABLE	USABLE	USABLE	USABLE	SPOILED NO HTS	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	13	14	15	16	17	18
DATE	MAY 5	MAY 4	MAY 4	MAY 4	MAY 5	MAY 5
AREA	GBSI	HSTA	HSTA	HSTA	GBSI	HSTA
CATCH TOTAL (KG)	9	7	22	19	0	1
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
JCTOPLS	..	..	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	7	5	15	10	..	..
DCK CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDI	2	4	7	9	..	1
RED CLAW CRAB	..	..	..	..	T	..
OTHERS	T	T	..	..	..	T
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	19	20	21	22	23	24
DATE	MAY 5	MAY 5	MAY 11	MAY 5	MAY 5	MAY 5
AREA	ALCA	ALCA	HSTA	ALCA	ALCA	ALCA
TIME START (PST)	1100	1100	1730	1100	1100	1100
DURATION (HR. MIN)	164.00	164.30	39.00	166.00	168.00	170.30
START N. LAT. (DEG)	55	55	55	55	55	55
(MIN)	24.3	25.7	26.5	26.6	26.9	27.8
LONG. (DEG)	129	129	129	129	124	129
(MIN)	40.7	40.3	45.5	39.1	34.8	29.7
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	55	55	55	55	55	55
(MIN)	24.9	26.5	26.8	27.2	26.5	28.1
LONG. (DEG)	129	129	129	129	124	129
(MIN)	40.7	39.4	45.6	36.3	32.5	29.3
DISTANCE NAUT. MI.	..	1.0	.3	1.7	1.4	.4
DEPTH (FATHOMS)	42- 42	154-148	22- 22	175-203	202-170	55- 52
SEE FIGURE NO.	12	12	10	12	13	14
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	3	2	6	5	6
TOTAL CATCH (KG)	20	53	27	103	104	69
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	19	20	21	22	23	24
DATE	MAY 5	MAY 5	MAY 11	MAY 5	MAY 5	MAY 5
AREA	ALCA	ALCA	HSTA	ALCA	ALCA	ALCA
CATCH TOTAL (KG)	20	53	27	103	104	69
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	2	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	7	..
GOLDEN KING CRAB	..	4b	..	100	13	56
BOX CRAB	..	..	1	..	..	..
RED KING CRAB	2	..	21	..	..	4
C. MAGISTER	..	..	..	..	..	..
C. BAIRDII	18	3	n	3	21	9
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	T	T	..	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	T
ROCKFISH						
S. CALVINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	25	26	27	28	29	30
DATE	MAY 12	MAY 12	MAY 12	MAY 13	MAY 13	MAY 13
AREA	HSTA	HSTA	ALCA	PRTI	PRTI	PRTI
TIME START (PST)	600	600	1320	1230	1330	1345
DURATION (H.R.MIN)	27.30	27.00	15.30	57.30	44.30	63.45
START N. LAT. (DEG)	55	55	55	54	54	54
(MIN)	22.4	22.9	27.9	59.7	59.1	57.3
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	48.5	48.8	21.6	58.7	57.6	56.7
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	55	55	55	54	54	54
(MIN)	22.6	22.9	27.9	59.4	57.8	57.7
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	47.6	48.8	21.0	58.5	58.6	56.7
DISTANCE NAUT. MI.	.5	.5	.3	.4	.6	.6
DEPTH (FATHOMS)	22- 32	24- 24	56- 51	21- 18	10- 17	8- 12
SEE FIGURE NO.	11	11	14	15	13	13
SURFACE TEMP (DEG.C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	5	1	2	2	2	2
TOTAL CATCH (KG)	77	14	15	2	2	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	25	26	27	28	29	30
DATE	MAY 12	MAY 12	MAY 12	MAY 13	MAY 13	MAY 13
AREA	HSTA	HSTA	ALC4	PRTI	PRTI	PRTI
CATCH TOTAL (KG)	79	15	15	3	2	1
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTORATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	12	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	54	2	..	..	..	..
C. MAGISTER	..	..	..	2	1	..
C. BAIRDI	21	..	3	1	1	1
RED CLAW CRAB	1	..	..	..	..	..
OTHERS	..	..	..	7	..	..
FLATFISH						
HALIBUT	..	13	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	31	32	33	34	35	36
DATE	MAY 13	MAY 13	MAY 13	MAY 13	MAY 13	MAY 13
AREA	PRTI	PRTI	PRTI	PRTI	PRTI	PRTI
TIME START (PST)	1400	1430	1500	1500	1530	1700
DURATION (HR. MIN)	63.00	63.00	50.00	49.30	48.30	45.15
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	56.5	58.6	59.6	59.7	59.8	50.9
W. LONG. (DEG)	129	129	129	130	130	130
(MIN)	55.7	58.3	59.6	0.7	1.9	16.1
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	55	54	54
(MIN)	56.0	59.5	59.6	0.0	59.2	50.9
W. LONG. (DEG)	129	129	130	130	130	130
(MIN)	57.2	59.1	0.2	1.6	2.6	16.1
DISTANCE NAUT. MI.	1.0	.9	.3	.6	.6	..
DEPTH (FATHOMS)	34- 41	59- 40	60- 73	90-104	110-127	15- 15
SEE FIGURE NO.	13	15	15	15	15	8
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	3	2	2	3	3	1
TOTAL CATCH (KG)	14	2	13	55	45	2
REMARKS	USABLE	USABLE	ESTIMATE	ESTIMATE	ESTIMATE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	31	32	33	34	35	36
DATE	MAY 13	MAY 13	MAY 13	MAY 13	MAY 13	MAY 13
AREA	PRTI	PRTI	PRTI	PRTI	PRTI	PRTI
CATCH TOTAL (KG)	14	3	13	55	45	2
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTORATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	2	..	..	..	2
C. BAIRDI	14	1	..	..	..	..
RED CLAW CRAB	T	..	..	..	..	..
OTHERS	..	..	..	T	..	..
FLATFISH						
HALIBUT	..	..	13	53	40	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	T	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	T	2	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	37	38	39	40	41	42
DATE	MAY 13	MAY 13	MAY 11	MAY 14	MAY 14	MAY 14
AREA	PRTI	PRTI	PRSC	PRSC	PRSC	PRSC
TIME START (PST)	1715	1830	700	700	700	700
DURATION (HR. MIN)	44.30	41.30	95.00	104.30	104.30	104.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	49.5	46.9	46.0	49.8	50.5	50.7
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	18.2	25.5	35.0	27.1	27.6	27.6
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	49.2	45.6	47.1	49.8	50.3	50.7
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	18.4	26.1	34.5	27.1	27.4	27.6
DISTANCE NAUT. MI.	.3	1.3	.5	..	.2	..
DEPTH (FATHOMS)	16- 28	15- 23	20- 30	20- 20	50- 36	60- 60
SEE FIGURE NO.	8	7	3	7	7	7
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	2	5	2	1	2	1
TOTAL CATCH (KG)	2	125	134	77	146	29
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	37	38	39	40	41	42
DATE	MAY 13	MAY 13	MAY 11	MAY 14	MAY 14	MAY 14
AREA	PRTI	PRTI	PRSC	PRSC	PRSC	PRSC
CATCH TOTAL (KG)	2	125	134	77	145	29
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	T	..	..	..	..	T
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	T	..	..	..
RED KING CRAB	..	27	112	77	145	29
C. MAGISTER	2	5	..	..	..	..
C. BAIRDI	..	93	22	..	..	..
RED CLAW CRAB	T	..	..	..	..	..
OTHERS	T	..	..	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	43	44	45	46	47	48
DATE	MAY 14	MAY 15	MAY 15	MAY 15	MAY 15	MAY 16
AREA	PRSC	PRSC	PRSC	PRSC	PRYI	NSGG
TIME START (PST)	1000	900	900	600	1200	830
DURATION(HR.MIN)	100.00	73.00	73.30	79.00	114.00	70.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	47.5	46.6	45.5	47.4	46.9	53.7
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	33.8	36.7	35.6	34.1	25.6	4.0
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	47.5	46.1	45.2	46.7	45.6	53.2
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	33.2	35.6	35.1	35.0	26.1	3.8
DISTANCE NAUT. MI.	.3	.9	.8	.9	1.3	.5
DEPTH (FATHOMS)	40- 36	30- 33	12- 8	37- 26	13- 27	12- 23
SEE FIGURE NO.	3	3	3	3	7	6
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	2	4	7	5	5	0
TOTAL CATCH (KG)	89	103	353	287	76	11
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	43	44	45	46	47	48
DATE	MAY 14	MAY 15	MAY 15	MAY 15	MAY 15	MAY 15
AREA	PRSC	PRSC	PRSC	PRSC	PRT1	USGG
CATCH TOTAL (KG)	89	102	353	290	70	15
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
UCTOPLS	..	..	..	..	..	..
STARFISH	..	1	..	1	..	1
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	72	34	303	270	21	15
C. MAGISTER	..	..	2	..	..	..
C. MAIRDI	17	18	45	10	55	..
RED CLAW CRAB	..	..	..	..	..	1
OTHERS	..	..	..	..	..	1
PLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKJUD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	49	50	51	52	53	54
DATE	MAY 16	MAY 16	MAY 16	MAY 16	MAY 16	MAY 18
AREA	NSGG	NSGG	STNR	STNR	STNR	PRSC
TIME START (PST)	900	900	1030	1100	1100	950
DURATION(HR.MIN)	69.00	68.10	70.30	71.00	71.30	72.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	53.2	52.5	43.1	42.2	42.3	46.8
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	4.7	5.0	13.8	18.8	20.7	37.2
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	52.8	51.7	42.4	42.2	41.8	46.8
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	4.8	5.5	16.7	20.1	21.1	37.2
DISTANCE NAUT. MI.	.5	.8	1.9	.8	.9	..
DEPTH (FATHOMS)	28- 39	43- 57	31- 26	25- 23	45- 27	84- 94
SEE FIGURE NO.	6	6	7	7	7	3
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NU. OF TRAPS.	4	3	5	3	2	1
TOTAL CATCH (KG)	2	5	107	42	19	17
REMARKS	USABLE	USABLE	USABLE	USABLE ESTIMATE	USABLE	

APPENDIX TABLE 1 CONTINUED

HAUL NO.	49	50	51	52	53	54
DATE	MAY 10	MAY 16	MAY 10	MAY 16	MAY 10	MAY 10
AREA	NSGG	NSGG	STMR	STMR	STMR	PRSC
CATCH TOTAL (KG)	0	4	107	39	19	10
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	28	..	..
STARFISH	T	T	..	T	..	T
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	5	..	..	..
RED KING CRAB	..	4	101	..	..	..
C. MAGISTER	..	..	1	1	..	..
C. BAIRDI	T	T	..	..	..	T
RED CLAW CRAB	T	..	T	T	..	..
OTHERS	T	..	..	T	T	T
FLATFISH						
HALIBUT	..	..	..	10	37	16
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	T	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	55	56	57	58	59	60
DATE	MAY 15	MAY 18	MAY 18	MAY 18	MAY 18	MAY 18
AREA	NCHS	PRSC	PRSC	PRSC	PRSC	PRTC
TIME START (PST)	430	1000	1030	1300	1400	1900
DURATION (HR. MIN)	76.30	72.00	72.30	72.30	72.00	42.00
START N. LAT. (DEG)	54	54	54	54	54	55
(MIN)	44.8	46.6	45.5	47.4	47.5	17.3
W. LONG. (DEG)	130	130	130	130	130	129
(MIN)	37.2	36.7	35.0	34.1	33.8	56.7
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	55
(MIN)	45.1	46.1	45.2	46.7	47.5	17.5
W. LONG. (DEG)	130	130	130	130	130	129
(MIN)	38.1	35.6	35.1	35.0	33.8	56.9
DISTANCE NAUT. MI.	.6	.9	.8	.9	..	.2
DEPTH (FATHOMS)	25- 35	30- 31	13- 3	36- 25	38- 34	26- 22
SEE FIGURE NO.	3	3	3	3	3	9
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	3	4	7	5	1	2
TOTAL CATCH (KG)	5	121	397	202	41	30
REMARKS	ESTIMATE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	55	56	57	58	59	60
DATE	MAY 15	MAY 18	MAY 18	MAY 18	MAY 18	MAY 18
AREA	NCMS	PRSC	PHSC	PRSL	PRSC	PRTL
CATCH TOTAL (KG)	3	120	357	199	48	31
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	25
STARFISH	T	2	..	T	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	T	..	..
RED KING CRAB	..	104	371	173	48	5
C. MAGISTER	..	..	1	..	..	..
C. BAIRDII	..	14	25	0	..	..
RED CLAW CRAB	..	..	..	T	..	..
OTHERS	T	T	..	..	..	..
FLATFISH						
HALIBUT	3	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALINUS	T	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	1
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	61	62	63	64	65	66
DATE	MAY 18	MAY 18	MAY 18	MAY 18	MAY 19	MAY 19
AREA	PRTC	PRTC	PRTC	PRTC	STNR	STNR
TIME START (PST)	1930	1930	2030	2030	900	930
DURATION(HR.MIN)	41.30	41.00	39.30	39.00	72.30	72.00
START N. LAT. (DEG)	55	55	55	55	54	54
(MIN)	17.4	18.9	25.3	25.5	43.1	42.8
W. LONG. (DEG)	129	129	130	130	130	130
(MIN)	57.5	59.1	0.9	1.4	13.8	15.2
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	55	55	55	55	53	54
(MIN)	17.4	18.9	25.5	25.5	42.4	42.6
W. LONG. (DEG)	129	129	130	130	130	130
(MIN)	57.5	59.1	0.9	1.4	16.7	16.2
DISTANCE NAUT. MI.	..	..	.2	..	1.9	.6
DEPTH (FATHOMS)	88- 88	138-138	17- 21	140-140	31- 27	23- 28
SEE FIGURE NO.	9	9	10	10	7	7
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	1	2	1	5	2
TOTAL CATCH (KG)	..	11	2	2	67	29
REMARKS	USABLE		ESTIMATE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	61	62	63	64	65	66
DATE	MAY 18	MAY 18	MAY 18	MAY 18	MAY 19	MAY 19
AREA	PRTC	PRTC	PRTC	PRTC	STNR	STNR
CATCH TOTAL (KG)	0	11	2	3	00	29
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
JCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	..	3	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	2	..	..
BOX CRAB	..	..	..	..	2	..
RED KING CRAB	..	..	..	..	58	28
C. MAGISTER	..	..	..	..	1	..
C. BAIRDI	..	..	..	1	..	..
RED CLAW CRAB	..	..	..	..	7	1
OTHERS	..	..	7	..	7	..
FLATFISH						
HALIBUT	..	11	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	2	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	2	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	67	68	69	70	71	72
DATE	MAY 19	MAY 19	MAY 19	MAY 19	MAY 21	MAY 21
AREA	KZMI	KZMI	KZMI	KZMI	KZMI	KZMI
TIME START (PST)	1145	1145	1200	1230	530	600
DURATION(HR.MIN)	69.00	42.45	66.00	69.00	48.00	48.30
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	43.2	42.9	43.0	43.2	36.2	37.2
W. LONG. (DEG)	130	130	130	130	129	130
(MIN)	13.5	12.6	11.7	12.6	56.6	0.0
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	43.1	42.8	42.9	43.5	36.9	37.2
W. LONG. (DEG)	130	130	130	130	129	130
(MIN)	12.3	11.7	10.2	13.2	58.5	0.0
DISTANCE NAUT. MI.	.7	.3	1.2	.5	1.3	..
DEPTH (FATHOMS)	35- 36	19- 15	42- 58	40- 40	30- 41	65- 65
SEE FIGURE NO.	8	8	8	8	9	9
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	5	2	3	3	4	1
TOTAL CATCH (KG)	124	2	39	100	22	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	67	68	69	70	71	72
DATE	MAY 19	MAY 19	MAY 19	MAY 19	MAY 21	MAY 21
AREA	KZMI	KZMI	KZMI	KZMI	KZMI	KZMI
CATCH TOTAL (KG)	125	2	39	100	22	1
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	2	..	..	..	..	..
RED KING CRAB	108	2	35	97	2	..
C. MAGISTER	..	..	..	..	20	1
C. BAIRDII	..	..	..	3	7	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
FLATFISH						
HALIBUT	11	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	73	74	75	76	77	78
DATE	MAY 21	MAY 21	MAY 21	MAY 21	MAY 21	MAY 21
AREA	KZMI	KZMI	KZMI	KZMI	KZMI	PRSC
TIME START (PST)	600	615	630	700	700	1330
DURATION (HR. MIN)	49.00	48.30	49.00	49.30	49.30	67.30
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	38.1	38.2	38.9	40.3	40.9	47.4
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	1.0	1.7	3.2	5.9	6.6	34.1
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	38.2	38.2	38.9	40.7	40.9	46.7
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	1.3	1.7	3.2	6.3	6.6	35.0
DISTANCE NAUT. MI.	.2	..	..	.4	..	.9
DEPTH (FATHOMS)	27- 24	61- 61	91- 91	25- 34	65- 65	17- 26
SEE FIGURE NO.	9	9	7	8	8	3
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	2	1	1	2	1	5
TOTAL CATCH (KG)	3	2	..	4	2	220
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL No.	73	74	75	76	77	78
DATE	MAY 21	MAY 21	MAY 21	MAY 21	MAY 21	MAY 21
AREA	KZMI	KZMI	KZMI	KZMI	KZMI	PRSC
CATCH TOTAL (KG)	3	3	0	3	2	219
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	..	..	..	7	..	7
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GULDER KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	1
RED KING CRAB	..	2	..	..	..	209
C. MAGISTER	2	..	..	3	1	..
C. BAIRDII	..	1	7	..	1	7
RED CLAW CRAB	..	..	..	..	..	7
OTHERS	..	..	..	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	1	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	2
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	79	80	81	82	83	84
DATE	MAY 21	MAY 21	MAY 21	MAY 22	MAY 22	MAY 19
AREA	PRSC	PRSC	PRSC	STMR	STMR	STMR
TIME START (PST)	1100	1400	1000	800	1000	1000
DURATION(HR.MIN)	66.00	67.00	69.30	144.00	144.30	71.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	45.5	47.5	46.6	43.6	42.6	42.0
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	35.6	33.8	36.7	13.4	16.2	18.9
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	45.2	47.5	46.1	45.4	42.9	41.8
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	35.1	33.8	35.6	12.1	14.9	19.7
DISTANCE NAUT. MI.	.8	..	.9	2.0	.8	.5
DEPTH (FATHOMS)	14- 9	35- 35	10- 32	38- 32	27- 21	25- 26
SEE FIGURE NO.	3	3	3	8	7	7
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	7	1	4	6	3	2
TOTAL CATCH (KG)	313	5	130	103	1	6
REMARKS	USABLE	USABLE	USABLE	USABLE ESTIMATE	USABLE	

APPENDIX TABLE 1 CONTINUED

HAUL NO.	79	80	81	82	83	84
DATE	MAY 21	MAY 21	MAY 21	MAY 22	MAY 22	MAY 24
AREA	PRSC	PRSC	PRSC	STHR	STHR	STHR
CATCH TOTAL (KG)	313	5	127	105	0	6
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	7	7	3
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	2	..	..
C. MAGISTER	272	5	117	74	..	..
C. BAIRDII	..	..	..	2	..	..
RED CLAW CRAB	41	..	10	7	..	1
OTHERS	..	7	..	..	..	..
PLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	..	..	..	7	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLUENACOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	2
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	85	86	87	88	89	90
DATE	MAY 22	MAY 22	MAY 22	MAY 22	MAY 23	MAY 23
AREA	STHR	STHR	STHR	KZHI	LNNI	UNNI
TIME START (PST)	1030	1130	1130	1300	1030	1100
DURATION(HR.MIN)	142.30	140.30	140.00	140.30	143.00	142.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	43.3	45.7	46.2	43.2	39.5	38.0
4. LONG. (DEG)	130	130	130	130	130	130
(MIN)	14.1	11.9	11.9	13.2	13.3	20.8
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	43.4	45.9	46.5	43.2	38.1	39.0
W.LONG. (DEG)	130	130	130	130	130	130
(MIN)	13.1	12.0	11.8	13.2	20.5	22.7
DISTANCE NAUT. MI.	.6	.3	.3	..	1.9	1.5
DEPTH (FATHOMS)	30- 40	35- 40	50- 64	35- 35	21- 33	35- 29
SEE FIGURE NO.	8	8	8	8	16	16
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	3	2	2	1	7	5
TOTAL CATCH (KG)	153	7	4	22	15	42
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	85	86	87	88	89	90
DATE	MAY 22	MAY 22	MAY 22	MAY 22	MAY 23	MAY 23
AREA	STMR	STMR	STPR	KIMI	LINE	UNNI
CATCH TOTAL (KG)	153	7	4	22	13	43
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
JCTOPUS	..	..	..	..	..	..
STARFISH	..	7	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	1	..	..	..	..	..
RED KING CRAB	150	6	..	22	..	..
C. MAGISTER	..	..	..	..	4	..
C. BAIRDI	2	1	4	..	2	31
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	..	7	7
FLATFISH						
HALIBUT	..	..	..	..	7	9
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	..	..	..	..	3
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	91	92	93	94	95	96
DATE	MAY 23	MAY 24	MAY 24	MAY 24	MAY 24	MAY 24
AREA	UNMI	NCHS	NCHS	NCHS	NCHS	NCHS
TIME START (PST)	1115	1030	1100	1100	1130	1130
DURATION(HR.MIN)	141.30	104.30	104.00	104.00	103.00	102.30
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	39.1	42.9	42.0	41.7	40.7	40.3
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	23.1	36.5	35.3	35.0	34.4	34.3
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	39.4	42.4	42.0	41.1	40.7	40.3
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	23.2	35.6	35.3	34.6	34.4	34.3
DISTANCE NAUT. MI.	.4	.8	..	.6	..	..
DEPTH (FATHOMS)	46- 54	34- 44	69- 69	92-100	139-139	106-106
SEE FIGURE NO.	16	4	4	4	4	4
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	2	3	1	2	1	1
TOTAL CATCH (KG)	1	..	..	..	..	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	91	92	93	94	95	96
DATE	MAY 23	MAY 24	MAY 24	MAY 24	MAY 24	MAY 24
AREA	UNNI	NCMS	GLMS	NCMS	NCMS	NCMS
CATCH TOTAL (KG)	1	0	0	0	0	0
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	T	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BLUE CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDI	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	T	..	T	T	..
PLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	1	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELAHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	97	98	99	100	101	102
DATE	MAY 24	MAY 24	MAY 22	MAY 24	MAY 24	MAY 28
AREA	NCHS	PRTI	KZFI	NCHS	NCHS	NCHS
TIME START (PST)	1200	1300	600	1630	1700	1330
DURATION(HR.MIN)	96.00	95.00	147.30	115.00	115.30	42.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	39.5	42.4	43.2	35.0	34.3	35.2
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	33.0	30.5	11.7	26.5	28.1	41.0
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	39.5	42.4	43.2	34.7	33.4	34.0
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	33.0	30.1	12.5	25.2	27.6	41.2
DISTANCE NAUT. MI.	..	.5	.5	1.4	1.1	1.2
DEPTH (FATHOMS)	105-105	43- 26	41- 35	25- 24	34- 33	36- 51
SEE FIGURE NO.	4	4	4	16	16	5
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	4	2	4	3	4
TOTAL CATCH (KG)	7	14	17	7	..	3
REMARKS	ESTIMATE	ESTIMATE	USABLE	USABLE	SPECIFIED NO. OF TS	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	97	98	99	100	101	102
DATE	MAY 24	MAY 24	MAY 22	MAY 24	MAY 24	MAY 28
AREA	NCHS	PRTI	KZPI	NCHS	NCHS	NCHS
CATCH TOTAL (KG)	7	14	1	7	0	3
SHRIMP						
OTHER SHRIMP	..	..	1	..	..	..
INVERTEBRATES						
JCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	5	1	1
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	1	..	..	..
RED KING CRAB	..	..	15	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDI	..	..	1	..	..	..
RED CLAW CRAB	..	..	1	..	..	..
OTHERS	..	1	..	1	1	1
FLATFISH						
HALIBUT	7	14	..	..	..	..
OTHERS	..	..	..	..	..	2
ROCKFISH						
S. CALVINUS	..	..	..	2	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	103	104	105	106	107	108
DATE	MAY 28	MAY 28	MAY 23	MAY 28	MAY 28	MAY 28
AREA	NCHS	NCHS	NCHS	HEPS	HEPS	HEPS
TIME START (PST)	1330	1400	1430	1400	1400	1430
DURATION (HR. MIN)	42.30	41.00	40.00	43.00	43.00	43.30
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	35.7	33.7	32.4	31.7	32.6	30.2
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	40.9	41.3	37.9	48.8	46.5	47.7
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	35.7	32.9	32.5	32.3	31.0	30.7
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	40.9	37.4	36.6	47.3	47.1	47.6
DISTANCE NAUT. MI.	..	1.9	.8	1.0	1.7	.4
DEPTH (FATHOMS)	80- 86	57- 62	64- 70	22- 38	51- 44	34- 52
SEE FIGURE NO.	5	5	5	8	8	8
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	6	3	3	5	2
TOTAL CATCH (KG)	..	9	2	1	30	..
REMARKS	SP. NOTED NO MTS	USABLE	USABLE	ESTIMATE	USABLE	SP. NOTED NO MTS

APPENDIX TABLE 1 CONTINUED

HAUL NO.	103	104	105	106	107	108
DATE	MAY 28	MAY 28	MAY 28	MAY 28	MAY 28	MAY 28
AREA	NCMS	NCMS	NCMS	MEPS	MEPS	MEPS
CATCH TOTAL (KG)	0	10	1	0	31	0
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	..	..	..	..	4	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	T	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	T	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDII	..	..	1	..	1	..
RED CLAW CRAB	..	..	..	..	T	T
OTHERS	..	..	..	T	..	T
FLATFISH						
HALIBUT	..	7	..	..	26	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	T	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	3	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	109	110	111	112	113	114
DATE	MAY 29	MAY 29	MAY 29	MAY 29	MAY 29	MAY 29
AREA	BRNI	BRNI	NCMS	NCMS	NCMS	NCMS
TIME START (PST)	600	600	1330	1400	1400	1400
DURATION(HR.MIN)	27.00	26.30	51.00	50.00	49.30	49.00
START N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	36.0	36.7	26.2	27.6	27.5	27.4
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	52.6	49.8	26.2	29.9	30.9	31.9
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	54	54	54	54	54	54
(MIN)	36.9	37.0	27.7	27.6	27.5	27.1
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	50.6	48.6	29.4	30.4	31.4	34.1
DISTANCE NAUT. MI.	1.5	.7	1.9	.3	.3	1.3
DEPTH (FATHOMS)	15- 30	22- 38	10- 14	20- 25	42- 60	66- 56
SEE FIGURE NO.	5	5	13	6	6	6
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	5	2	5	2	2	5
TOTAL CATCH (KG)	17	5	26	..	..	..
REMARKS	USABLE ESTIMATE		USABLE	SP. NOTED NO WTS	SP. NOTED NO WTS	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	109	110	111	112	113	114
DATE	MAY 29	MAY 29	MAY 29	MAY 29	MAY 29	MAY 29
AREA	BRNI	BRNI	NCMS	NCMS	NCMS	NCMS
CATCH TOTAL (KG)	17	5	20	0	0	0
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	Y
INVERTEBRATES						
OCTOPUS	..	..	20	..	..	..
STARFISH	Y	..	2	Y	Y	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	4	..	..	..
C. BAIROI	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	Y	..	..	..	Y	..
FLATFISH						
HALIBUT	17	5	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACK COD	..	..	..	..	..	..
SCULPIN	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	115	116	117	118	119	120
DATE	MAY 29	MAY 29	MAY 31	MAY 31	MAY 31	MAY 31
AREA	ACHS	NCHS	GVCH	GVCH	GVCH	GVCH
TIME START (PST)	1430	1530	000	430	530	530
DURATION (HR. MIN)	48.00	48.00	56.10	90.00	52.00	52.00
START N. LAT. (DEG) (MIN)	54 27.1	54 30.2	53 41.0	53 42.7	53 40.7	53 39.7
W. LONG. (DEG) (MIN)	130 34.6	130 28.5	129 42.8	129 43.4	129 43.7	129 42.3
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG) (MIN)	54 27.8	54 30.2	53 40.7	53 41.6	53 40.7	53 39.8
W. LONG. (DEG) (MIN)	130 36.4	130 28.5	129 42.7	129 42.7	129 43.7	129 42.6
DISTANCE NAUT. MI.	1.3	..	.3	1.2	..	.3
DEPTH (FATHOMS)	53- 60	29- 29	21- 13	9- 21	50- 50	5- 8
SEE FIGURE NO.	6	17	22	22	22	22
SURFACE TEMP. (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	6	1	2	7	1	2
TOTAL CATCH (KG)	16	5	322	456	168	2
REMARKS	ESTIMATE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	115	116	117	118	119	120
DATE	MAY 29	MAY 29	MAY 31	MAY 31	MAY 31	MAY 31
AREA	NCHS	NCHS	GVCH	GVCH	GVCH	GVCH
CATCH TOTAL (KG)	16	5	121	451	168	2
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	T	..	..	T	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	121	451	168	..
C. MAGISTER	..	..	..	5	..	2
C. BAIRDI	..	..	1	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	T	..	..	T	..	..
FLATFISH						
HALIBUT	16	5	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	121	122	123	124	125	126
DATE	MAY 31	MAY 31	MAY 31	MAY 31	MAY 31	MAY 31
AREA	GVCH	GVCH	GVCH	GVCH	GVCH	GVCH
TIME START (PST)	530	600	600	700	730	830
DURATION(HR.MIN)	52.00	53.00	53.00	33.30	32.30	30.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	39.9	41.8	40.9	45.1	46.0	48.4
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	43.1	44.0	45.7	49.5	53.4	51.1
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	39.9	41.8	40.9	44.4	46.0	49.0
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	43.1	44.0	45.7	49.4	53.4	52.8
DISTANCE NAUT. MI.	--	--	--	.7	--	1.1
DEPTH (FATHOMS)	18- 18	22- 22	16- 16	17- 15	30- 30	12- 31
SEE FIGURE NO.	22	22	22	20	20	21
SURFACE TEMP(DEG.C)	--	--	--	--	--	--
BOTTOM TEMP.(DEG.C)	--	--	--	--	--	--
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	1	1	3	1	5
TOTAL CATCH (KG)	3	70	6	6	--	33
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	121	122	123	124	125	126
DATE	MAY 31	MAY 31	MAY 31	MAY 31	MAY 31	MAY 31
AREA	GVCH	GVCH	GVCH	GVCH	GVCH	GVCH
CATCH TOTAL (KG)	2	78	0	6	3	32
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	T	..	..	T	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	1	..	..
RED KING CRAB	..	77	..	1	..	24
C. MAGISTER	..	1	..	2	..	1
C. BAIRDII	T	..	..	2	..	7
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	..	T	..
FLATFISH						
HALIBUT	..	..	0	..	..	..
OTHERS	..	..	..	..	..	T
ROCKFISH						
S. CALPINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	2	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	127	128	129	130	131	132
DATE	MAY 31	MAY 31	JUNE 1	JUNE 1	JUNE 1	JUNE 1
AREA	GVCH	GVCH	GVCH	GVCH	UGOC	OGOC
TIME START (PST)	830	900	600	630	730	730
DURATION (HR. MIN)	30.30	74.00	48.30	47.30	48.00	48.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	48.9	48.7	54.8	54.4	53.7	54.0
W. LONG. (DEG)	129	129	130	130	130	130
(MIN)	53.5	57.7	8.8	8.4	15.7	14.7
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	49.2	49.0	54.5	54.0	53.7	54.0
W. LONG. (DEG)	129	129	130	130	130	130
(MIN)	56.3	58.1	7.0	5.3	15.7	14.7
DISTANCE NAUT. MI.	1.7	.5	1.1	.6	..	..
DEPTH (FATHOMS)	37- 41	85- 86	25- 34	60- 50	200-200	91- 91
SEE FIGURE NO.	21	21	19	19	19	19
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	3	2	4	2	1	1
TOTAL CATCH (KG)	5	2	2	..	15	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	127	128	129	130	131	132
DATE	MAY 31	MAY 31	JUNE 1	JUNE 1	JUNE 1	JUNE 1
AREA	GVCH	GVCH	GVCH	GVCH	UGDC	UGDC
CATCH TOTAL (KG)	4	2	3	0	15	0
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	1	1	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	1	1	..	..	..	..
C. MAGISTER	..	..	2	..	..	..
C. BAIRDI	2	..	1	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	1	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
RUFFFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	15	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	133	134	135	136	137	138
DATE	JUNE 1	JUNE 1	JUNE 1	JUNE 1	JUNE 1	JUNE 1
AREA	UGOC	GVCH	GVCH	GVCH	GVCH	GVCH
TIME START (PST)	730	800	800	830	900	900
DURATION(HR.MIN)	48.30	48.30	48.30	48.30	49.00	49.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	54.5	54.0	53.8	52.8	51.0	51.3
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	13.7	9.7	9.1	6.1	1.0	0.3
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	54.5	54.0	53.0	51.5	51.0	51.6
W. LONG. (DEG)	130	130	130	130	130	129
(MIN)	13.7	9.7	8.7	4.3	1.0	59.2
DISTANCE NAUT. MI.	--	--	.3	1.7	--	.8
DEPTH (FATHOMS)	130-130	53- 53	35- 24	30- 22	70- 70	49- 32
SEE FIGURE NO.	18	19	19	19	20	20
SURFACE TEMP(DEG.C)	--	--	--	--	--	--
BOTTOM TEMP.(DEG.C)	--	--	--	--	--	--
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	1	2	5	1	3
TOTAL CATCH (KG)	--	--	8	5	--	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	133	134	135	136	137	138
DATE	JUNE 1	JUNE 1	JUNE 1	JUNE 1	JUNE 1	JUNE 1
AREA	EGDL	GVCH	GVCH	GVCH	GVCH	GVCH
CATCH TOTAL (KG)	0	0	9	5	0	1
SHRIMP						
OTHER SHRIMP	..	..	..	..	7	..
INVERTEBRATES						
OCTOPIUS	..	..	5	..	..	..
STARFISH	..	..	1	3	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	1	..	..
C. BAIRDI	..	..	1	..	..	1
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	2	1	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPIN	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	139	140	141	142	143	144
DATE	JUNE 1	JUNE 2	JUNE 2	JUNE 2	JUNE 2	MAY 31
AREA	GVCH	GVCH	GVCH	GVCH	GVCH	GVCH
TIME START (PST)	900	1100	1100	1100	1330	530
DURATION(HR.MIN)	49.30	103.00	104.00	104.30	48.00	52.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	52.0	40.8	40.5	41.4	33.5	40.1
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	58.6	42.7	44.2	43.8	34.0	43.0
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	52.0	41.1	41.0	41.4	33.6	40.1
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	58.6	42.7	43.8	43.8	34.5	43.0
DISTANCE NAUT. MI.	--	.3	.6	--	.2	--
DEPTH (FATHOMS)	14- 14	14- 19	49- 43	24- 24	15- 19	40- 40
SEE FIGURE NO.	20	22	22	22	20	22
SURFACE TEMP.(DEG.C)	--	--	--	--	--	--
BOTTOM TEMP.(DEG.C)	--	--	--	--	--	--
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	2	2	1	2	1
TOTAL CATCH (KG)	4	244	184	127	12	12
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	139	140	141	142	143	144
DATE	JUNE 1	JUNE 2	JUNE 2	JUNE 2	JUNE 2	MAY 31
AREA	GVCH	GVCH	GVCH	GVCH	GVCH	GVCH
CATCH TOTAL (KG)	4	244	145	128	12	11
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	7	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	2	244	184	127	..	11
C. MAGISTER	2	..	..	1	1	..
C. BAIRDI	..	..	1	..	..	7
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	11	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	145	146	147	148	149	150
DATE	JUNE 2	JUNE 2	JUNE 2	JUNE 2	JUNE 2	JUNE 2
AREA	GVCH	GVCH	GVCH	DLGC	GVCH	GVCH
TIME START (PST)	1330	1400	1600	1600	1630	1700
DURATION (HR. MIN)	48.00	48.00	48.00	50.00	48.00	43.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	33.2	33.0	22.4	24.2	23.0	22.1
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	34.6	35.5	18.2	15.8	16.5	16.0
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	50	53	53	53	53
(MIN)	33.2	32.6	22.2	23.3	22.3	22.1
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	35.2	35.8	18.3	16.3	15.9	16.0
DISTANCE NAUT. MI.	.3	.4	.2	1.1	.7	..
DEPTH (FATHOMS)	19- 20	31- 18	32- 35	12- 18	17- 33	55- 55
SEE FIGURE NO.	20	20	21	23	23	23
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	3	2	2	7	5	1
TOTAL CATCH (KG)	31	..	..	18	2	..
REMARKS	USABLE	USABLE	SP. NOTED NO WTS	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	145	146	147	148	149	150
DATE	JUNE 2	JUNE 2	JUNE 2	JUNE 2	JUNE 2	JUNE 2
AREA	GVCH	GVCH	GVCH	DLGC	GVCH	GVCH
CATCH TOTAL (KG)	31	0	0	18	2	0
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	..	..	..	4	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	2	..
RED KING CRAB	27	..	..	14	..	..
C. HUGISTER	3	..	..	..	..	..
C. BAIRDI	..	..	..	..	..	..
RED CLAW CRAB	..	..	7	..	..	..
OTHERS	..	..	7	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
RUFFFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	1	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	151	152	153	154	155	156
DATE	JUNE 2	JUNE 4	JUNE 4	JUNE 4	JUNE 4	JUNE 4
AREA	GVCH	DUGC	DUGC	DLGC	DUGC	DUGC
TIME START (PST)	1830	530	0600	0630	700	700
DURATION (HR. MIN)	48.00	34.30	34.30	35.30	35.30	36.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	28.3	51.1	50.3	48.5	43.0	49.9
W. LONG. (DEG)	129	128	128	128	128	128
(MIN)	28.8	55.1	55.8	56.5	57.9	58.1
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	28.3	50.5	48.8	47.7	48.7	49.9
W. LONG. (DEG)	129	128	128	128	128	128
(MIN)	28.8	55.3	56.4	57.4	57.9	58.1
DISTANCE NAUT. MI.	--	.6	1.5	1.0	.7	--
DEPTH (FATHOMS)	30- 30	8- 27	29- 35	23- 14	24- 28	50- 50
SEE FIGURE NO.	21	28	28	28	28	28
SURFACE TEMP (DEG. C)	--	--	--	--	--	--
BOTTOM TEMP. (DEG. C)	--	--	--	--	--	--
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	4	5	4	4	1
TOTAL CATCH (KG)	1	12	30	11	7	2
REMARKS	ESTIMATE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	151	152	153	154	155	156
DATE	JUNE 2	JUNE 4	JUNE 4	JUNE 4	JUNE 4	JUNE 4
AREA	GVCH	DUGE	DUGE	DLGC	DUGE	DUGE
CATCH TOTAL (KG)	1	11	30	10	7	2
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	1	..	..	..	1	..
BASKET STARS	..	..	..	..	1	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	4	..	..	7	..
C. MAGISTER	..	7	24	1	2	..
C. HAIRDI	..	..	6	9	1	2
RED CLAW CRAB	..	..	..	7	7	..
OTHERS	7	..	..	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
RECKFISH						
S. CAURINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	2	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	157	158	159	160	161	162
DATE	JUNE 4	JUNE 4	JUNE 5	JUNE 5	JUNE 5	JUNE 5
AREA	DUGC	DUGC	DUGC	DUGC	DUGC	DUGC
TIME START (PST)	730	800	600	630	730	730
DURATION(HR.MIN)	35.30	34.00	124.00	124.30	124.30	124.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	49.3	46.8	27.1	29.3	33.9	35.6
W. LONG. (DEG)	128	128	129	129	129	129
(MIN)	58.4	57.3	13.2	13.3	13.4	13.9
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	50.3	46.8	28.5	30.8	34.8	36.4
W. LONG. (DEG)	128	128	129	129	129	129
(MIN)	58.1	57.3	13.3	13.3	13.7	13.6
DISTANCE NAUT. MI.	1.0	0.9	1.4	1.5	1.0	.9
DEPTH (FATHOMS)	84-97	19-19	212-205	202-170	161-150	132-112
SEE FIGURE NO.	28	28	27	27	27	27
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	3	1	3	3	2	2
TOTAL CATCH (KG)	14	..	..	..	..	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	157	158	159	160	161	162
DATE	JUNE 4	JUNE 4	JUNE 5	JUNE 5	JUNE 5	JUNE 5
AREA	DUGC	DUGC	DUGC	OLGC	DUGC	DUGC
CATCH TOTAL (KG)	15	0	0	0	0	1
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	1	..	..	..	..	..
C. BAIRDI	14	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	T	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CAURINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	1
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	163	164	165	166	167	168
DATE	JUNE 5	JUNE 5	JUNE 5	JUNE 5	JUNE 5	JUNE 5
AREA	DUGC	DUGC	DUGC	DUGC	DUGC	DUGC
TIME START (PST)	800	830	830	930	1000	1030
DURATION(HR.MIN)	126.00	124.30	125.00	127.30	126.30	124.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	37.5	37.3	37.9	41.5	41.1	44.4
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	13.4	14.9	15.1	1.3	2.3	2.8
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	37.5	37.9	37.9	41.3	40.4	45.0
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	13.4	15.1	15.1	1.9	3.5	0.9
DISTANCE NAUT. MI.	--	.0	--	.4	.9	.8
DEPTH (FATHOMS)	140-140	22- 16	45- 45	42- 37	25- 18	195-190
SEE FIGURE NO.	27	27	27	29	29	29
SURFACE TEMP(DEG.C)	--	--	--	--	--	--
BOTTOM TEMP.(DEG.C)	--	--	--	--	--	--
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	3	1	2	3	2
TOTAL CATCH (KG)	4	3	--	--	1	11
REMARKS	USABLE	USABLE	USABLE	SP-NOTED NO WTS	USABLE ESTIMATE	

APPENDIX TABLE 1 CONTINUED

HAUL NO.	163	164	165	166	167	168
DATE	JUNE 5	JUNE 5	JUNE 5	JUNE 5	JUNE 5	JUNE 5
AREA	DUGC	DUGC	DUGC	JLCC	EJCC	DUGC
CATCH TOTAL (KG)	4	3	0	0	0	11
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	1	..	T	T	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	2	..	..	T	..
C. BAIRDI	..	..	..	..	..	..
RED CLAW CRAB	T	..	..	..	..	..
OTHERS	..	..	..	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	11
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CAURINUS	..	..	..	..	..	..
OTHERS	4	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	169	170	171	172	173	174
DATE	JUNE 5	JUNE 6	JUNE 5	JUNE 6	JUNE 6	JUNE 6
AREA	DUGC	DVSC	DVSC	DVSC	DVSC	GARC
TIME START (PST)	1100	700	800	800	800	930
DURATION(HR.MIN)	124.00	144.00	143.00	143.30	144.00	144.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	45.4	42.6	40.3	38.8	37.4	28.7
W. LONG. (DEG)	128	128	129	128	128	128
(MIN)	59.7	53.5	50.9	52.1	52.6	42.2
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	45.4	43.6	40.3	38.8	37.4	29.8
W. LONG. (DEG)	128	128	129	128	128	128
(MIN)	59.7	50.9	50.8	52.1	52.6	43.8
DISTANCE NAUT. MI.	..	2.0	..	..	..	1.4
DEPTH (FATHOMS)	170-170	17- 18	170-170	144-144	13- 13	23- 39
SEE FIGURE NO.	29	28	29	29	29	31
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	5	1	1	1	4
TOTAL CATCH (KG)	..	81	29	..	3	33
REMARKS	SP. NOTED NU MTS	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	169	170	171	172	173	174
DATE	JUNE 5	JUNE 6	JUNE 6	JUNE 6	JUNE 6	JUNE 6
AREA	DUGC	DVSC	DVSC	DVSC	DVSC	GARC
CATCH TOTAL (KG)	0	80	29	0	2	33
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	2	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	7	7	..	..	2	19
RED KING CRAB	..	71	..	..	..	10
C. MAGISTER	..	..	..	..	..	4
C. BAIRDI	..	..	..	..	..	..
RED CLAW CRAB	..	..	7	..	..	..
OTHERS	..	7	..	..	7	7
PLATFISH						
HALIBUT	..	..	27	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	..	..	..	..	..
OTHERS	..	..	2	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	175	176	177	178	179	180
DATE	JUNE 6	JUNE 6	JUNE 6	JUNE 6	JUNE 6	JUNE 6
AREA	GARC	GARC	VRNP	VRNP	VRNP	VRNP
TIME START (PST)	1000	1000	1030	1100	1130	1130
DURATION (HR. MIN)	143.30	143.00	145.00	145.00	145.00	145.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	30.2	31.1	33.0	33.7	32.9	32.5
W. LONG. (DEG)	128	128	128	128	129	129
(MIN)	44.3	45.6	52.3	56.6	1.3	1.8
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	30.6	31.6	32.8	33.8	32.9	31.5
W. LONG. (DEG)	128	128	128	128	129	129
(MIN)	45.2	45.9	54.5	58.8	1.3	3.3
DISTANCE NAUT. MI.	.6	.5	1.5	1.4	..	1.4
DEPTH (FATHOMS)	67- 78	92-103	104-116	125-126	14- 14	31- 51
SEE FIGURE NO.	31	31	30	30	30	30
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS	2	2	2	2	1	3
TOTAL CATCH (KG)	3	3	2	..	3	22
REMARKS	USABLE	USABLE	USABLE	USABLE ESTIMATE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	175	176	177	178	179	180
DATE	JUNE 6	JUNE 6	JUNE 6	JUNE 6	JUNE 6	JUNE 6
AREA	GARC	GARC	VRNP	VRNP	VRNP	VRNP
CATCH TOTAL (KG)	3	2	2	0	3	21
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	..	3	1
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	2	2	2	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDI	1	1	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	1	1	1	..	1	1
FLATFISH						
HALIBUT	..	..	..	..	..	20
OTHERS	..	..	..	..	..	..
RUFFFISH						
S. CALVINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI					1	
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	181	182	183	184	185	186
DATE	JUNE 8	JUNE 8	JUNE 8	JUNE 11	JUNE 11	JUNE 11
AREA	VRNP	GvCH	GVLH	CROP	CROP	SLUC
TIME START (PST)	1200	1900	1900	630	630	700
DURATION(HR.MIN)	145.30	82.30	82.00	49.30	49.30	50.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	31.0	40.3	40.2	18.8	17.0	16.2
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	4.9	43.2	43.8	19.1	19.6	21.0
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	31.0	40.0	41.6	18.8	17.0	16.2
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	4.9	44.2	43.9	19.1	18.6	22.0
DISTANCE NAUT. MI.	..	1.0	..	..	..	.5
DEPTH (FATHOMS)	77- 77	45- 57	26- 22	14- 14	40- 40	8- 21
SEE FIGURE NO.	30	22	22	27	27	27
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	3	2	1	1	3
TOTAL CATCH (KG)	..	153	2	2	11	4
REMARKS	ESTIMATE	USABLE UNUSABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	181	182	183	184	185	186
DATE	JUNE 6	JUNE 6	JUNE 6	JUNE 11	JUNE 11	JUNE 11
AREA	VRNP	GVCH	GVCH	CRDP	CRDP	SQUC
CATCH TOTAL (KG)	0	153	2	2	11	3
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	12	..	..	..	..
STARFISH	..	..	2	..	..	7
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	3	..
RED KING CRAB	..	139	..	..	..	3
C. MAGISTER	..	..	..	..	..	..
C. BAIRDI	..	2	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	7	..	..	..	..	7
PLATFISH						
HALIBUT	..	..	..	..	7	..
OTHERS	..	..	..	..	..	..
RUFFFISH						
S. CAURINUS	..	..	..	..	1	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	2	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	187	188	189	190	191	192
DATE	JUNE 11	JUNE 11	JUNE 11	JUNE 11	JUNE 11	JUNE 11
AREA	SQUC	SQUC	SQUC	SCUL	SQUC	SQUC
TIME START (PST)	730	800	830	830	830	830
DURATION(HR.MIN)	49.00	49.30	72.30	72.30	72.30	72.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	16.0	15.7	19.0	19.4	19.9	20.5
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	23.5	21.8	25.9	25.6	25.7	26.1
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	16.0	15.7	19.0	19.4	19.9	20.5
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	23.5	21.8	25.9	25.6	25.7	26.1
DISTANCE NAUT. MI.	--	--	--	--	--	--
DEPTH (FATHOMS)	250-250	22- 22	200-200	120-120	40- 40	18- 18
SEE FIGURE NO.	27	27	26	26	25	25
SURFACE TEMP(DEG.C)	--	--	--	--	--	--
BOTTOM TEMP.(DEG.C)	--	--	--	--	--	--
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	1	1	1	1	1
TOTAL CATCH (KG)	3	--	--	--	1	1
REMARKS	USABLE	USABLE	USABLE	USABLE	ESTIMATE	ESTIMATE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	187	188	189	190	191	192
DATE	JUNE 11	JUN. 11	JUNE 11	JUNE 11	JUNE 11	JUNE 11
AREA	SQUC	SQUC	SQUC	SCUC	SQUC	SQUC
CATCH TOTAL (KG)	3	0	0	0	1	1
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	1	1
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDI	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	T	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	3	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHT						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	193	194	195	196	197	198
DATE	JUNE 11	JUNE 11	JUNE 11	JUNE 11	JUNE 11	JUNE 11
AREA	500C	500C	500C	500C	500C	500C
TIME START (PST)	830	900	930	1030	1100	1130
DURATION(HR.MIN)	72.00	71.00	70.00	68.00	67.00	66.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	20.9	21.2	24.7	23.8	21.5	20.6
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	25.6	26.2	26.1	25.9	26.0	26.3
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	20.9	21.6	23.7	23.5	20.8	20.6
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	25.6	27.2	25.3	26.6	24.2	24.3
DISTANCE NAUT. MI.	..	.8	1.3	.5	.6	..
DEPTH (FATHOMS)	84- 84	55- 64	17- 10	25- 30	43- 32	65- 65
SEE FIGURE NO.	25	25	26	26	25	25
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	3	6	3	3	1
TOTAL CATCH (KG)	..	3	..	..	5	..
REMARKS	USABLE ESTIMATE		USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	193	194	195	196	197	198
DATE	JUNE 11	JUNE 11	JUNE 11	JUNE 11	JUNE 11	JUNE 11
AREA	SQUC	SQUC	SQUC	SQUC	SQUC	SQUC
CATCH TOTAL (KG)	0	3	0	0	5	0
SHRIMP						
OTHER SHRIMP	Y	..	..	..	Y	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	5	..
STARFISH	..	3	..	..	Y	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDI	..	..	..	..	Y	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	Y	..	..	Y	Y
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
REEFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	199	200	201	202	203	204
DATE	JUNE 12	JUNE 13	JUNE 13	JUNE 13	JUNE 13	JUNE 13
AREA	SQUC	SQUC	SQUC	SQUC	SQUC	SQUC
TIME START (PST)	1700	530	600	630	630	630
DURATION(HR.MIN)	67.30	54.30	54.00	53.00	52.30	52.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	18.3	18.1	17.6	17.4	16.7	16.7
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	31.2	31.0	31.6	31.0	30.6	29.9
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	18.2	17.5	17.4	17.1	16.7	16.7
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	31.2	30.6	31.4	30.7	30.6	29.3
DISTANCE NAUT. MI.	..	.6	.2	.3	..	.3
DEPTH (FATHOMS)	20- 20	26- 31	31- 34	40- 49	20- 20	20- 46
SEE FIGURE NO.	24	24	24	24	24	24
SURFACE TEMP.(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	4	3	2	1	2
TOTAL CATCH (KG)	14	10	6	17	..	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	SP. NOTED NO. B.T.S.

APPENDIX TABLE 1 CONTINUED

HAUL NO.	199	200	201	202	203	204
DATE	JUNE 12	JUNE 13	JUNE 13	JUNE 13	JUNE 13	JUNE 13
AREA	SQUC	SQUC	SQUC	SCUC	SQUC	SQUC
CATCH TOTAL (KG)	14	10	0	17	0	0
SHRIMP						
OTHER SHRIMP	..	..	..	T	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	..	3	..	..	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	7	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	5	..	..	..	..
RED KING CRAB	13	..	5	16	..	..
C. MAGISTER	1	..	..	..	..	..
C. BAIRDI	..	..	..	1	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	..	..	T
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	1	..	..	..
ROCKFISH						
S. CAURINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	2	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	205	206	207	208	209	210
DATE	JUNE 13	JUNE 13	JUNE 13	JUNE 13	JUNE 14	JUNE 14
AREA	LNGP	LNGP	LNGP	LNGP	PCCM	PCCM
TIME START (PST)	1230	1330	1330	1400	1200	1300
DURATION (HR. MIN)	41.30	40.00	43.00	42.30	48.00	46.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	4.1	3.4	3.4	2.0	19.1	18.8
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	42.3	40.5	38.4	36.1	34.7	36.7
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	3.8	3.4	3.4	2.3	19.0	18.9
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	39.9	40.2	38.4	36.6	34.3	38.9
DISTANCE NAUT. MI.	1.5	.2	..	.5	1.0	1.3
DEPTH (FATHOMS)	21- 30	24- 16	24- 24	14- 20	10- 15	38- 27
SEE FIGURE NO.	32	32	31	31	33	33
SURFACE TEMP (DEG. C)	..	..	..	12.7	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	8	2	1	3	6	6
TOTAL CATCH (KG)	119	11	60	3	10	14
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	205	206	207	208	209	210
DATE	JUNE 13	JUNE 13	JUNE 13	JUNE 13	JUNE 14	JUNE 14
AREA	LNGP	LNGP	LNGP	LNGP	PCCH	PCCH
CATCH TOTAL (KG)	118	10	60	3	10	13
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
JCTOPUS	..	..	..	..	..	..
STARFISH	1	7	..	2	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	1	..	..	..	..	7
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	1
RED KING CRAB	118	10	60	..	10	11
C. MAGISTER	..	..	..	1	..	1
C. BAIRDII	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	7	..	..	..	7	7
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	211	212	213	214	215	216
DATE	JUNE 14	JUNE 14	JUNE 14	JUNE 14	JUNE 14	JUNE 14
AREA	PCCH	PCCH	PCCH	PCCH	PCCH	PCCH
TIME START (PST)	1330	1330	1330	1500	1500	1530
DURATION(HR.MIN)	45.30	45.00	45.00	48.30	48.00	47.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	18.6	18.1	18.4	27.0	27.0	27.5
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	39.8	40.8	42.3	46.9	48.1	47.2
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	18.6	18.1	18.4	27.0	26.8	27.5
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	39.2	40.8	42.3	47.9	48.8	47.2
DISTANCE NAUT. MI.	.4	..	..	.6	.5	..
DEPTH (FATHOMS)	73- 56	28- 28	140-140	15- 20	38- 57	5- 5
SEE FIGURE NO.	33	33	33	34	34	34
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	1	1	3	3	1
TOTAL CATCH (KG)	1	..	..	11	38	9
REMARKS	ESTIMATE	USABLE	SP. NOTED NO. JTS	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	211	212	213	214	215	216
DATE	JUNE 14	JUNE 14	JUNE 14	JUNE 14	JUNE 14	JUNE 14
AREA	PCCH	PCCH	PCCH	PCCH	PCCH	PCCH
CATCH TOTAL (KG)	1	0	0	11	38	9
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	35	..
STARFISH	1	..	..	7	..	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	2	..	..
RED KING CRAB	..	..	..	8	..	9
C. MAGISTER	..	..	..	1	..	..
C. BAIRDII	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	7	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	3	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	217	218	219	220	221	222
DATE	JUNE 14	JUNE 14	JUNE 15	JUNE 15	JUNE 15	JUNE 15
AREA	PCCM	PCCM	PLCH	PETC	PETC	PETC
TIME START (PST)	1530	1530	1630	1800	1800	1800
DURATION (HR. MIN)	47.00	47.00	24.00	43.00	43.00	44.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	26.6	26.2	27.3	31.4	32.6	32.1
W. LONG. (DEG)	129	129	129	130	130	129
(MIN)	49.3	50.3	55.7	1.3	0.9	58.6
DIRECTION (DEG. TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	26.6	26.2	27.3	32.3	32.6	31.5
W. LONG. (DEG)	129	129	129	130	130	129
(MIN)	49.3	50.3	55.7	1.1	0.7	58.4
DISTANCE NAUT. MI.	..	..	..	.9	..	.8
DEPTH (FATHOMS)	17- 17	42- 42	43- 43	42- 26	57- 57	..- 12
SEE FIGURE NO.	34	34	35	36	36	36
SURFACE TEMP (DEG. C)	..	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	1	1	4	1	3
TOTAL CATCH (KG)	2	..	..	14	..	..
REMARKS	ESTIMATE	USABLE	USABLE	USABLE	SP. NOTED NO WTS	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	217	218	219	220	221	222
DATE	JUNE 14	JUNE 14	JUNE 15	JUNE 15	JUNE 15	JUNE 15
AREA	PCCH	PCCH	PCCH	PETC	PETC	PETC
CATCH TOTAL (KG)	2	0	0	14	0	0
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPLS	..	..	..	..	..	..
STARFISH	2	..	..	..	1	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	..	..	..	..	..
C. BAIRDII	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	..	..	1	..	..
FLATFISH						
HALIBUT	..	..	..	14	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	223	224	225	226	227	228
DATE	JUNE 15	JUNE 16	JUNE 16	JUNE 17	JUNE 16	JUNE 16
AREA	PETC	PETC	PETC	PETC	PCCH	PCCH
TIME START (PST)	1830	600	600	630	700	730
DURATION(HR.MIN)	44.00	36.00	35.30	36.00	33.30	33.30
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	31.7	33.3	33.6	34.2	32.7	32.8
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	58.0	57.3	55.3	56.8	53.0	54.6
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	33.1	33.6	33.6	34.2	32.7	32.9
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	57.2	55.4	55.3	56.8	54.0	55.4
DISTANCE NAUT. MI.	1.5	1.1	..	..	.6	.5
DEPTH (FATHOMS)	32- 45	37- 38	32- 32	37- 37	36- 46	50- 57
SEE FIGURE NO.	36	36	36	36	36	36
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	6	5	1	1	3	2
TOTAL CATCH (KG)	1	78	..	..	5	13
REMARKS	USABLE	USABLE	SP. NOTED NO WTS	USABLE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	223	224	225	226	227	228
DATE	JUNE 15	JUNE 16	JUNE 16	JUNE 16	JUNE 16	JUNE 16
AREA	PETC	PETC	PETC	PETC	PCCN	PLCH
CATCH TOTAL (KG)	1	78	0	0	5	13
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	T	..	T	..
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	75	..	..	4	2
C. MAGISTER	1	..	..	..	..	..
C. BAIRDI	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	T	T	..	..	T	..
FLATFISH						
HALIBUT	..	..	..	..	..	11
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALVINUS	..	3	..	..	1	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

HAUL NO.	229	230	231	232	233	234
DATE	JUNE 16	JUNE 17	JUNE 17	JUNE 17	JUNE 17	JUNE 17
AREA	PETC	PETC	PETC	dVRP	BVRP	PETC
TIME START (PST)	730	600	600	730	800	830
DURATION(HR.MIN)	32.00	31.00	31.00	27.30	27.30	26.00
START N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	33.2	48.8	48.5	42.7	43.6	48.6
W. LONG. (DEG)	129	130	130	130	130	130
(MIN)	57.9	11.4	14.1	25.0	22.6	19.1
DIRECTION (DEG.TRUE)	0	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53	53
(MIN)	33.2	48.8	48.5	42.9	43.6	48.6
W. LONG. (DEG)	129	130	130	130	130	130
(MIN)	57.9	12.8	14.1	24.2	22.6	19.1
DISTANCE NAUT. MI.	..	.9	..	.5	..	..
DEPTH (FATHOMS)	25- 25	11- 18	50- 50	112-105	90- 90	109-109
SEE FIGURE NO.	36	35	35	38	38	38
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73	73
NO. OF TRAPS.	1	4	1	2	1	1
TOTAL CATCH (KG)	..	13	2	..	..	2
REMARKS	USABLE	USABLE ESTIMATE	USABLE	USABLE	USABLE ESTIMATE	USABLE ESTIMATE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	229	230	231	232	233	234
DATE	JUNE 16	JUNE 17	JUNE 17	JUNE 17	JUNE 17	JUNE 17
AREA	PETC	PETC	PETC	BVRP	BVRP	PETC
CATCH TOTAL (KG)	0	13	2	0	0	2
SHRIMP						
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
JCTOPUS	..	..	..	..	..	..
STARFISH	..	10	2	..	..	2
BASKET STARS	..	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..	..
BOX CRAB	..	..	..	..	..	..
RED KING CRAB	..	..	..	..	..	..
C. MAGISTER	..	3	..	..	..	..
C. BAIRDII	..	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..	..
OTHERS	..	1	1	..	..	..
FLATFISH						
HALIBUT	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
ROCKFISH						
S. CALRINUS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
OTHER ROUND FISH						
BLACKCOD	..	..	..	..	..	..
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHI						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 1 CONTINUED

HAUL NO.	235	236	237	238	239
DATE	JUNE 17	JUNE 17	JUNE 17	JUNE 17	JUNE 17
AREA	PETC	PETC	PETC	PETC	PETC
TIME START (PST)	1000	1130	1200	1230	1230
DURATION (HR. MIN)	29.00	29.00	29.00	30.00	30.00
START N. LAT. (DEG)	53	53	53	53	53
(MIN)	42.9	39.1	39.6	38.0	37.5
W. LONG. (DEG)	130	129	129	130	130
(MIN)	5.2	55.7	57.9	1.7	4.4
DIRECTION (DEG. TRUE)	0	0	0	0	0
FINISH N. LAT. (DEG)	53	53	53	53	53
(MIN)	42.2	38.7	38.1	37.8	37.5
W. LONG. (DEG)	130	129	130	130	130
(MIN)	5.8	57.3	1.0	2.8	4.4
DISTANCE NAUT. MI.	.7	1.0	2.0	.7	..
DEPTH (FATHOMS)	9- 13	13- 30	35- 47	51- 67	56- 56
SEE FIGURE NO.	35	37	37	37	37
SURFACE TEMP (DEG. C)	..	..	..	..	..
BOTTOM TEMP. (DEG. C)	..	..	..	..	..
TYPE OF GEAR	73	73	73	73	73
NO. OF TRAPS.	3	5	6	2	1
TOTAL CATCH (KG)	14	8	9	30	..
REMARKS	USABLE	USABLE	USABLE ESTIMATE	USABLE	USABLE

APPENDIX TABLE 1 CONTINUED

HAUL NO.	235	236	237	238	239
DATE	JUNE 17	JUNE 17	JUNE 17	JUNE 17	JUNE 17
AREA	PETC	PETC	PETC	PETC	PETC
CATCH TOTAL (KG)	14	8	9	30	0
SHRIMP					
OTHER SHRIMP	..	..	..	..	..
INVERTEBRATES					
OCTOPLS	..	..	9	27	..
STARFISH	..	5	..	..	..
BASKET STARS	..	..	..	..	..
SEA CUCUMBER	..	..	..	..	..
GOLDEN KING CRAB	..	..	..	..	..
BOX CRAB	..	..	..	..	..
RED KING CRAB	7	..	..	..	..
C. MAGISTER	7	3	..	..	..
C. BAIRDI	..	..	..	..	..
RED CLAW CRAB	..	..	..	..	..
OTHERS	..	..	7	..	..
FLATFISH					
HALIBUT	..	..	..	..	..
OTHERS	..	..	..	..	..
ROCKFISH					
S. CALRINUS	..	..	..	..	..
OTHERS	..	..	..	..	..
OTHER ROUND FISH					
BLACKLOD	..	..	..	..	..
SCULPINS	..	..	..	..	..
OTHERS	..	..	..	3	..
SELACHI					
OTHERS	..	..	..	..	..

FOOTNOTES

AREA ABBREVIATIONS		
ALCA	ALICE ARM	
BRNI	BRUNDIGE INLET	
BVRP	BEAVER PASSAGE	
CROP	CRIDGE PASSAGE	
DUGC	DOUGLAS CHANNEL	
DVSC	DEVASTATION CHANNEL	
GARC	GARDNER CANAL	
GVCN	GRENVILLE CHANNEL	
HOPS	HUDSON BAY PASSAGE	
HSTA	HASTINGS ARM	
KIMI	KHUTZEMATEEN INLET	
LNCP	LANGLEY PASSAGE	
NCHS	NORTHERN CHATHAM SOUND	
NSGG	NASOGA GULF	
OBSI	OSERVATORY INLET	
UGDC	UGDEN CHANNEL	
PETC	PETREL CHANNEL	
PLCH	PRINCIPE CHANNEL	
PRSC	PEARSE CANAL	
PRTC	PORTLAND CANAL	
PRTI	PORTLAND INLET	
SCUC	SQUALLY CHANNEL	
STMR	STEAMER PASSAGE	
UNNI	UNION INLET	
VRNP	VERNEY PASSAGE	

GEAR	73	ALASKA KING CRAB TRAP - SEE FIGURE 1
CATCH	T	TRACE
DISTANCE		DISTANCE BETWEEN FURTHEST TRAPS IN A SET
DEPTH		DEPTH OF FIRST AND LAST TRAPS IN A SET
